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THE NIMBUS 4 DATA CATALOG VOLUME 4

1 SEPTEMBER THROUGH 31 OCTOBER 1970
DATA ORBITS 1957—2775

AND

INTERROGATION, RECORDING AND LOCATION SYSTEM (IRLS)

BALLOON TRACKING EXPERIMENT DATA

FROM LAUNCH THROUGH 27 MARCH 1971.

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GODDARD SPACE FLIGHT CENTER
GREENBELT, MARYLAND

THE NIMBUS 4 DATA CATALOG

Volume 4

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Data Orbits 1957-2775
and
Interrogation, Recording and Location System (IRLS)
Balloon Tracking Experiment Data
From Launch through 27 March 1971

Prepared by

Allied Research Associates, Inc. Concord, Massachusetts

For the

Nimbus Project

May 1971

GODDARD SPACE FLIGHT CENTER Greenbelt, Maryland

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FOREWORD

This is the fourth volume of a series of catalogs published by the National Aeronautics and Space Administration to document data acquired from the Nimbus 4 Meteorological Satellite. This volume covers the period from 1 September through 31 October 1970 with subsequent catalogs to contain documentation for succeeding periods throughout the useful lifetime of Nimbus 4.

Because of interest and availability this volume also contains, as Section 5, all Interrogation Recording and Location System (IRLS) balloon tracking data from launch through 27 March 1971. Users are invited to explore the utility and potential of these data and of this experimental system.

Background information concerning the Nimbus 4 Meteorological Satellite system and a description of the experiments and data formats have been published separately in the Nimbus IV User's Guide, with post-launch User's Guide information changes and corrections included in the data catalogs. The Nimbus 4 catalogs present the type of data available, anomalies in the data, if any, and geographic location and time of the data.

The assembly and editing of this catalog was accomplished by the Geophysics and Aerospace Division of Allied Research Associates, Inc. (ARA), Concord, Massachusetts under contract number NAS 5-21617 with the Goddard Space Flight Center, NASA, Greenbelt, Marvland.

Wilfred E. Scull Project Manager ERTS/Nimbus Project Goddard Space Flight Center

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SECTION 1

SUMMARY OF OPERATIONS

1.1 Introduction

Nimbus 4 was successfully launched from the Western Test Range at Vandenberg AFB, California, into a near circular orbit (587 X 593 n. mi.) at 08hr 17m 57sec Universal Time on 8 April 1970.

This fourth volume of the Nimbus 4 data catalog reflects complete data documentation for the period 1 September 1970 through 31 October 1970, orbits 1957 through 2775 and complete IRLS Balloon Experiment data documentation from launch through 27 March 1971.

The sensory data output and total operating time from launch (8 April 1970) through orbit 2775 on 31 October 1970 were as follows:

| IDCS | 34,435 pictures |
|---------------------|---|
| THIR $(11.5 \mu m)$ | 4,423 hours |
| THIR (6.7 μ m) | 2,528 hours |
| SIRS | 4,419 hours |
| FWS | 1,316 hours (total to failure, orbit 815) |
| SCR | 4,419 hours |
| MUSE | 4,430 hours |
| IRIS | 4,401 hours |
| BUV | 4,363 hours |
| IRLS | 21,867 data frames (through orbit 4749, |
| | 27 March 1971) |

The Filter Wedge Spectrometer (FWS) experiment failed during orbit 815, 8 June 1970 and no further data have been received from the experiment.

Gridding of the Nimbus 4 pictorial data (IDCS and THIR) is generally accurate to within ±1 degree of great circle arc (±60 n. miles) at the satellite subpoint. Mean satellite attitude errors have been less than 0.5 degree of reference more than 90 percent of the time.

Satellite power, command/clock, VIP and thermal subsystems continue to perform well. Data from the High Data Rate Storage Subsystem (HDRSS) B have been excellent. Sensory data recorded on HDRSS A have continued to have a high level of noise which degrades data quality.

Quality of the sensory data varies from satisfactory to excellent. The following subsections 1.2 to 1.11 summarize the operational highlights of the individual experiments and call attention to known data anomalies in this catalog period.

1.2 The Image Dissector Camera System (IDCS) Experiment

The IDCS performance has been satisfactory. Pictures from HDRSS B are of good quality (see Figures 1-2 and 1-3). HDRSS A video playbacks, with 100 Hz flutter interferences, have a somewhat reduced image quality as shown in Figure 1-1a of Volume 2. The sensor "ON" Table in Section 2 lists the IDCS data orbits produced from HDRSS A playbacks.

Nimbus 4 IDCS and THIR pictorial data of the Arctic have been provided to the U. S. Fleet Weather Facility at Suitland, Maryland in support of their global, short-range ice forecasts. The IDCS pictures of Baffin Bay in Figure 1-1 are examples of the data furnished to the Fleet Weather Facility.

Additional examples of Nimbus 4 IDCS data during this catalog period are shown in Figures 1-2 and 1-3.

1.3 The Temperature-Humidity Infrared Radiometer (THIR) Experiment

The quality of the THIR data recorded on HDRSS B from the water vapor band (6.7 μ m) and the atmospheric window channel (11.5 μ m) continues to be excellent. HDRSS A THIR data continue to have a high level of noise; consequently digitization of THIR data from this HDRSS was terminated at orbit 2000. (See Volume 3, Section 1-3 for further discussion of this problem). Table 2-2 lists the HDRSS used for each data orbit.

Figures 1-4 and 1-5 are examples of the quality and information content in Nimbus 4 THIR imagery from HDRSS B.

1.4 The Infrared Interferometer Spectrometer (IRIS) Experiment*

The IRIS performance and sensory data output continues to be satisfactory. During this period the Beta angle (angle between the sun line and orbital plane) changed from $+3.5^{\circ}$ to -4° . The maximum excursion has been recorded as $+7^{\circ}$ to -4.5° . Due to the negative Beta angle in October, the IRIS optics housing acquired more sun; thus raising its temperature (Figure 1-6). Responsivity remains essentially unchanged from day of launch (Figure 1-7).

The IRIS was off from 1 through 5 October during nighttime orbits over the Caribbean Sea area. The RTTS subsystem, which interferes with the IRIS, was on during this period for real time DRIR coverage of a tropical depression.

^{*}Contributed by R. Hanel, B. Schlachman and M. Sing of NASA/GSFC.

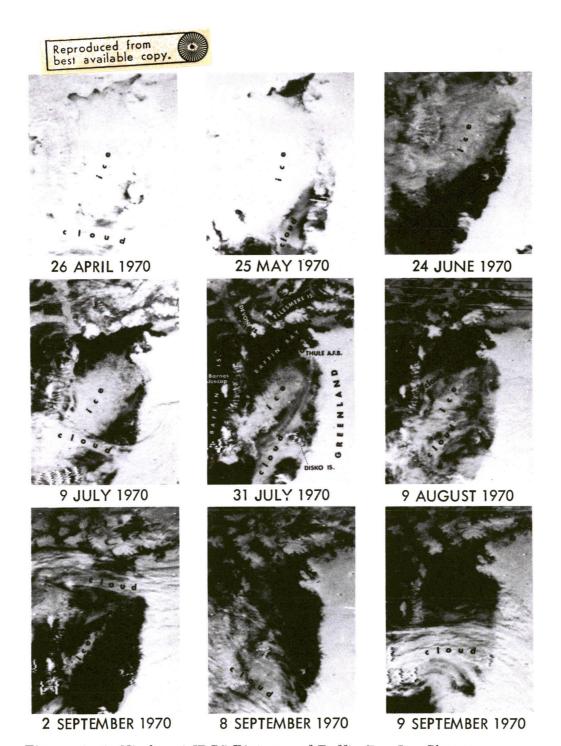


Figure 1-1 Nimbus 4 IDCS Pictures of Baffin Bay Ice Changes.

''Nimbus data has been an invaluable tool in providing operational sea-ice forecast support and in reducing aerial reconnaissance requirements' for the Navy in the Eastern Arctic area during the 1970 summer. ''Ice boundaries and estimates of concentration were readily determinable and in close agreement with aerial reconnaissance data'' (W.E. Willingham, Commander, U.S. Navy). These Nimbus IDCS pictures of Baffin Bay are examples of the daily data supplied to the U.S. Navy.

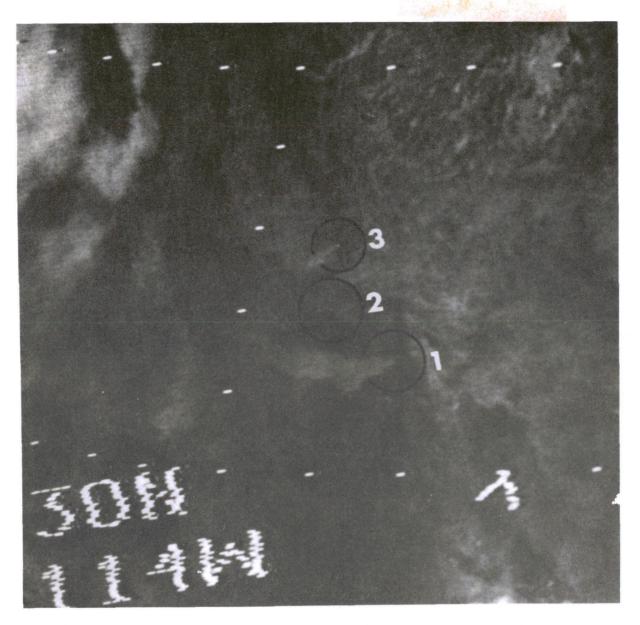


Figure 1-2 Nimbus 4 IDCS of Brush Fire Smoke Plumes.

This central portion of a Nimbus 4 Satellite IDCS picture taken on 27 September 1970 recorded smoke plumes from five of the major brush fires in Southern California. Plume locations are:

- 1. San Diego 140,000 acres burning (1 plume)
- 2. Los Angeles 105,000 acres burned (3 plumes)
- 3. Sequoia Nat. Forest-5,000 acres burning (1 plume)

(For reference-the Great Salt Lake in upper right and Salton Sea just above "1")

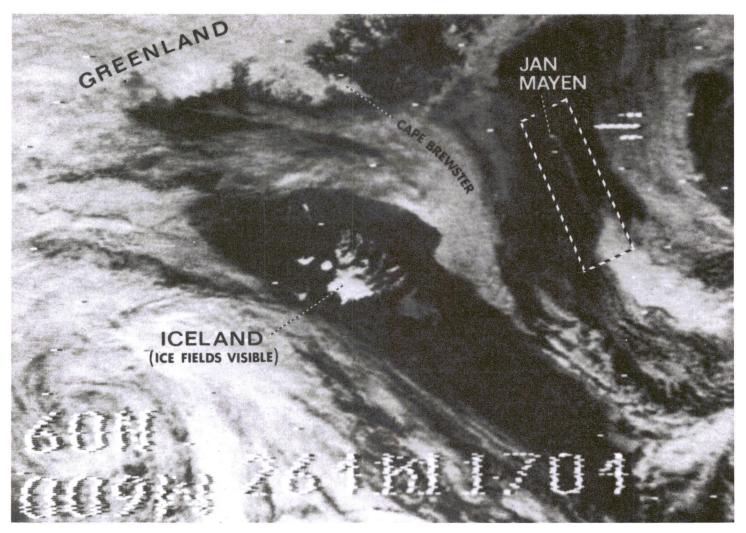


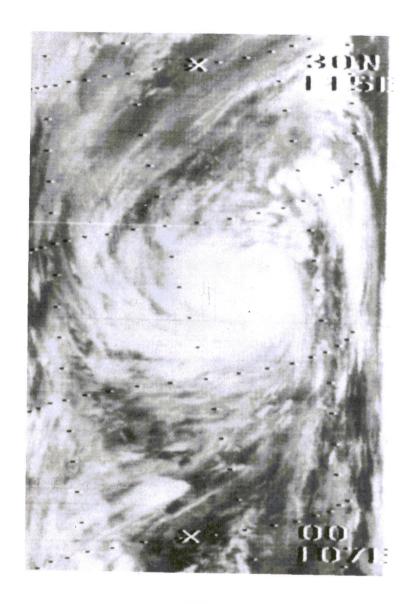
Figure 1-3 Nimbus 4 IDCS Picture of a Volcanic Ash Plume.

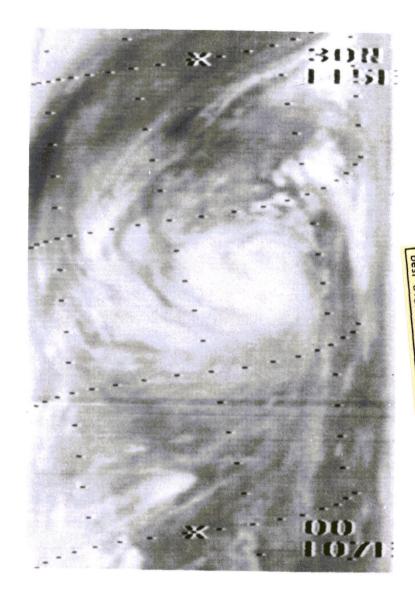
This new eruption of the Beerenberg Volcano on Jan Mayen Island was first observed on the night of 20 September 1970. By noon on 21 September, when this Nimbus 4 IDCS picture was taken, the ash plume (within the rectangular area) extended more than 200 miles to the southeast.





Figure 1-4 Nimbus 4 THIR Daytime (11.5 Micrometer Channel HDRSS B) View of the Eastern Mediterranean Lands, 9 September 1970





11.5 MICROMETER CHANNEL

6.7 MICROMETER CHANNEL

Figure 1-5 Nimbus 4 THIR Nighttime (HDRSS B) View of Typhoon Joan in the South China Sea, 15 October 1970.

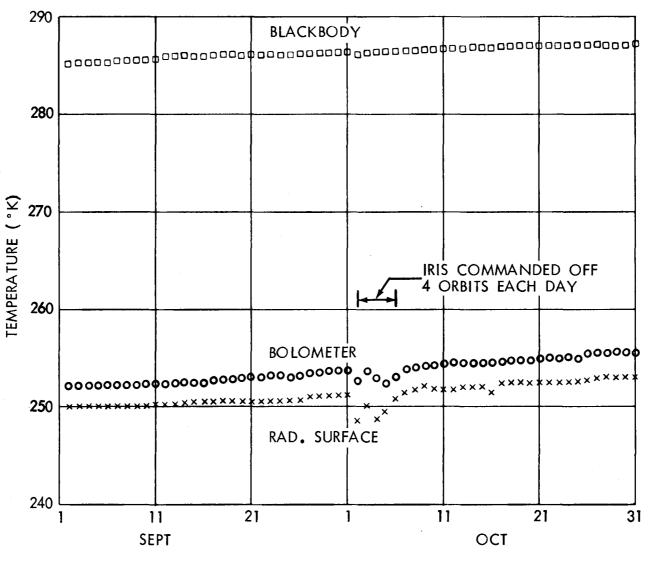


Figure 1-6 IRIS Optics Temperature for September and October 1970.

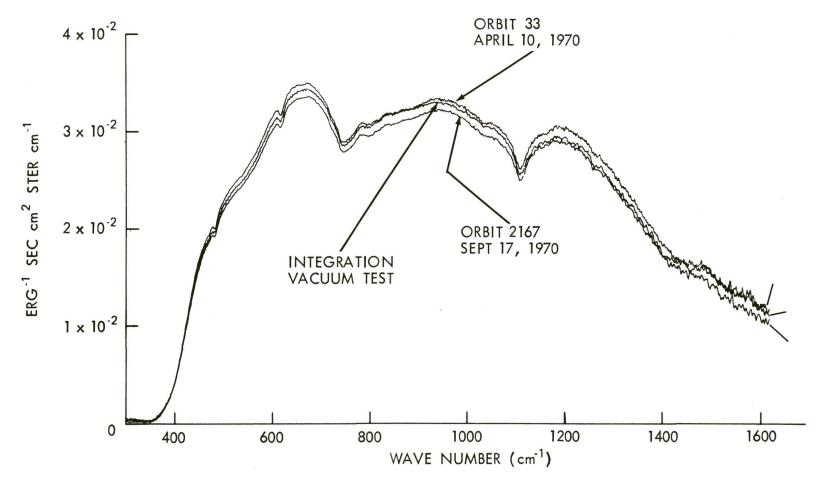


Figure 1-7 IRIS Responsivity of Orbits 33 and 2167.

1.5 The Satellite Infrared Spectrometer (SIRS) Experiment*

The performance of the SIRS-B instrument for September and October, 1970 was quite similar to that of the previous months. Channel 1 (899 cm⁻¹) data were unusable for most of the period. Channel 9 (531.5 cm⁻¹) gain was erratic and the data from this channel should be rejected. Channel 12 (291.5 cm⁻¹) was also erratic through orbit 2640 (October 21) but may be used from that date through the end of October. Channel 14 (280 cm⁻¹) continued to exhibit a wandering level of gain through orbit 2322 (September 28). From orbit 2376 through the end of October the gain level was stable and the data may be used.

Much of the erroneous data referred to above actually appears on the archival tapes as reasonable radiance values. This occurs when a channel output is in error but not at the extreme levels for which tolerance checks are established (see Volumes 1-3 of the Nimbus 4 Data Catalogs). The user should therefore avoid all unusable data identified in the preceding paragraph.

On October 2, orbit 2376, adjustments in the calibration constants used to compute radiances were made. These changes consisted of a 1% increase in the gain of Channel 11 (the computed radiances would therefore show a 1% decrease), a 0.6 erg increase in Channel 12, and a 3.5% decrease in the gain of Channel 14 (3.5% increase in computed radiances).

1-6 The Monitor of Ultraviolet Solar Energy (MUSE) Experiment

The MUSE experiment has performed satisfactorily in both manual and automatic modes during this catalog period. The functional telemetry monitors have indicated a steady and stable electrometer operation. There has been no significant indication of electrometer drift, though the telemetry monitor output of the automatic zero servo fluctuated between 2.71 and 2.61 TMV up to orbit 2600 and then settled to 2.61 TMV. The subsystem electronics and feedback resistor temperatures were maintained at nominal levels of 24°C and 30.5°C respectively, throughout this period. The solar aspect monitor (ATA) cell output decreased from 1.02 TMV to 0.90 TMV during this catalog period.

The ultraviolet sensors outputs continued to follow the same trends that had been shown in previous catalogs. As shown in Figure 1-8, Sensors 1, 2 and 3 or (2600Å, 1216Å and 1800Å, respectively) decreased and sensors 4 and 5 (2100Å and 2800Å) increased during this period.

^{*}Contributed by J. Lienesch of NESS/NOAA

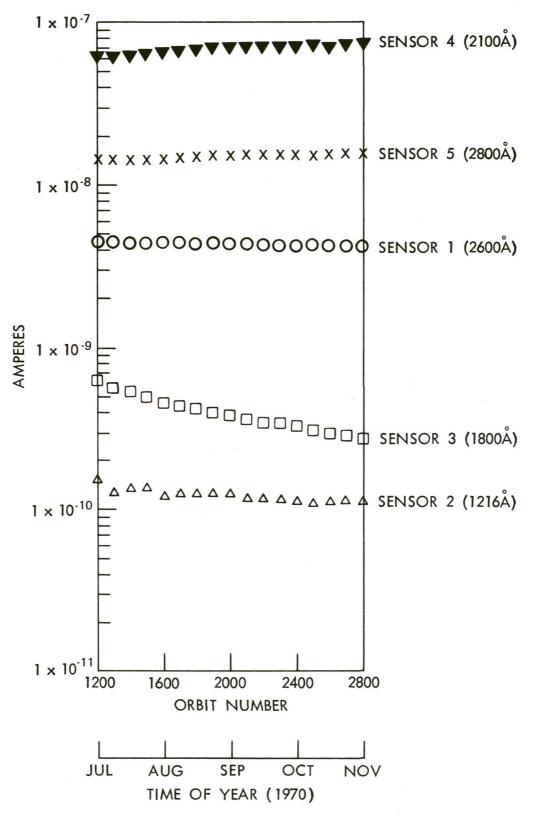


Figure 1-8 MUSE Ultraviolet Sensor Outputs at Day - Terminator

1.7 The Backscatter Ultraviolet Spectrometer (BUV) Experiment*

The BUV experiment continued to perform well during this period. It has been on continuously since activation, and data qualities have been good, with no anomalies observed.

The photometric capability of the MCS-A, B and C remains excellent; however, these calibrations continue to be affected by free-space radiation, particularly in the area of the South Atlantic anomaly. Evaluation of MCS-D indicates that the mercury strong line value is 2535.7Å for this period which is well within subsystem requirements.

To date the only evidence of subsystem degradation has been a change in gain of the photomultiplier tubes (PMT) with time and a decrease in reflectance of the diffuser plates. Pre-launch gain calibration data are given in Table 1-1. In order to evaluate

Table 1-1
BUV PRELAUNCH CALIBRATION

| Photomultiplier Tube Gain | Monochromator | Photometer |
|---------------------------|---------------------|-------------------------|
| Low Voltage State | 1243 | 45.5 |
| High Voltage State | 2.216×10^6 | 1.884 x 10 ⁶ |

the BUV data, one must multiply the prelaunch calibration data by the percentage decrease in PMT gain at orbit "x" after launch as given in Figure 1-9. (Figure 1-9 supersedes Figure 1-17 of Volume 1.) In addition the incident flux data must be corrected for diffuser plate degradation. The degradation is relatively minor; on the order of 15% in the monochromator channel at orbit 960. The changes are determined by comparison with simultaneous rocket data.

The calibrations for transforming the cathode currents into either the earth radiance (ergs/cm²-sec-A-ster) or incident flux (ergs/cm²-sec-A) for either solar or lunar fluxes are contained in Table 1-6 of Volume 1. These data are for the model P103 flown on Nimbus 4. This transformation must use the procedure outlined in the preceding paragraph in order to compensate for the changing PMT gain with time. The diffuser reflectance curves and future updating of the gain decay curve (Figure 1-9) will be given in the succeeding volumes of the Nimbus 4 Data Catalog.

1.8 The Filter Wedge Spectrometer (FWS) Experiment

The FWS chopper motor failed on orbit 815, June 8, 1970 precluding further reception of data. Continued attempts to restart the FWS motor have been unsuccessful.

^{*}Contributed by A. Krueger of NASA/GSFC.

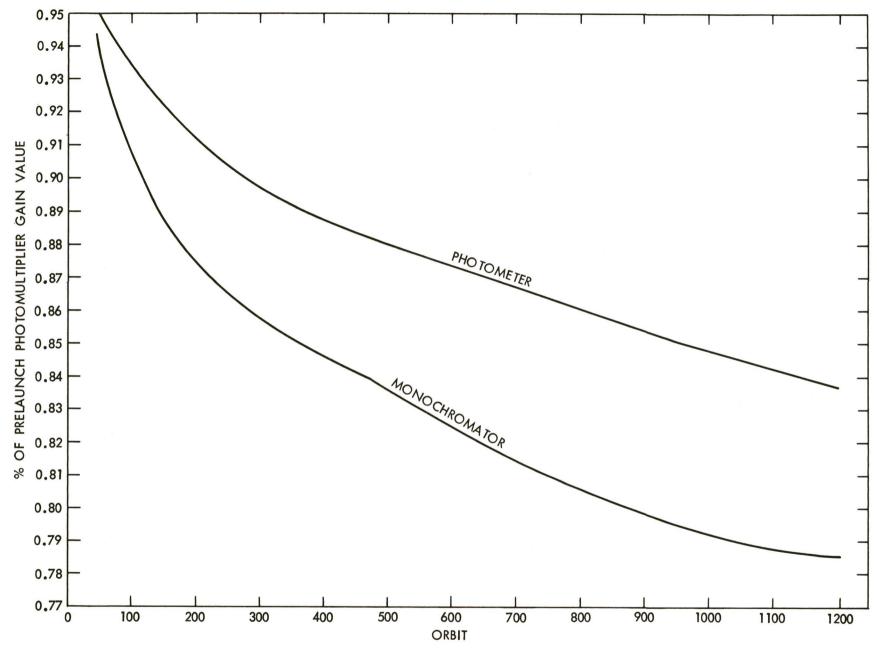


Figure 1-9 BUV Photomultiplier Gain Changes Versus Orbit Number (Supersedes Figure 1-17 of Volume 1.)

The committee investigating the failure of the chopper motor concluded that: "The most probable cause of failure of the FWS is felt to be due to debris in one or more of the bearings on the slow speed shafts of the reducer or filter wheel."

Before orbit 815, satisfactory data were received from the short wavelength channel, but icing of the bolometer prevented obtaining any usable data from the long wavelength channel. The committee investigating the degradation of sensory data reported that the probable cause of icing was the condensation of outgassed water vapor on the detector. Also suspected were lubricant from the gear train and adhesive used to hold superinsulation.

1.9 The Selective Chopper Radiometer (SCR) Experiment

The performance of the SCR has been satisfactory for this catalog period. Housekeeping telemetry were nominal with the exception of Channel 1 Calibration Mirror Temperature Monitor, which failed during orbit 905. No operational difficulty has resulted from this failure since the Channel 1 mirror calibration temperature can be estimated from the Channel 2 mirror calibration temperature which is in the same housing, and has been consistently 1°C to 1.5°C lower than the Channel 1 Temperature.

Examination of the calibration data showed consistent variations in spaceview levels which caused a problem in the interpretation of the atmospheric temperature profiles derived from the SCR data. Therefore, experiments were performed from orbit 2117 through 2132 to improve instrument calibration information. As a result, new radiometer calibration corrections were established by the experimenter.

There was an approximate 10 erg decrease in SCR output during the 1 through 5 October period when the RTTS subsystem was on (see Section 1.11). All calibration data and format for SCR tape will be published in a later volume of the catalog.

1.10 The Interrogation Recording and Location System (IRLS) Experiment*

This volume describes the IRLS overall performance for the period 8 April 1970 through 27 March 1971. In addition, a complete presentation of the experimental data collected during the meteorological balloon tracking experiment is contained in Section 5.

The IRLS performance during the 11 month reporting period was satisfactory. Over 22,000 frames of data (3.62 x 10^6 bits) were collected from platforms deployed around the globe. Satellite telemetry had remained nominal and data quality has been good. Location accuracies obtained on fixed platforms have averaged ± 2 kilometers with orbital elements at the minimum time of uncertainty (2 to 3.5 days from epoch).

Twenty four balloons and ten ground platforms were successfully interrogated during this 11 month period. As of 27 March 1971, one buoy, and one fixed platform were in operation.

^{*}Contributed by Mr. Charles Cote of NASA/GSFC.

1.10.1 Balloon Tracking

The principal objective of the Nimbus 4 IRLS experiment was to obtain direct measurements of upper atmospheric parameters in the tropical regions of the earth through the tracking of free-floating constant-level balloons. The balloon flights at 30 and 50 mb (23.9 and 20.6 Km for a standard atmosphere) were specifically intended to provide quantitative data on wind circulation within the Quasi-Biennial Stratospheric Oscillation area between the latitudes of 20°N and 30°S.

Twenty-seven super pressure balloons carrying specially designed Balloon Interrogation Packages (BIP's) were launched from Ascension Island during 1970. Twenty-six reached float altitude and twenty-three were successfully tracked by the IRLS experiment (two balloons burst during or shortly after launch and, on two others, the BIP failed during launch). An additional launch took place at Christchurch, New Zealand. Over 1,700 locations were obtained; tracking data are presented in Section 5.

1.10.2 Platform Interrogations

A variety of experiments have been performed with stationary and moving platforms (see Section 1.10 of Volume 2). Some of the general results from these experiments are discussed here.

From 6 to 27 September 1970, IRLS tracked and collected data from a free-floating Navy Buoy. Buoy locations, wind velocity and direction, and wave height as well as the buoy housekeeping data were relayed through the IRLS system. The twice daily buoy locations derived from the IRLS tracking aided in the ultimate recovery by the Navy of the buoy on 27 September 1970.

A second Navy IRLS buoy was towed from San Diego, California to an implant site (22°N, 168°W) west of the Hawaiian Islands. The IRLS on-board the buoy was turned on before the ship departed. A plot of the buoy's IRLS locations between San Diego and Oahu, Hawaii is shown in Figure 1-10.

Over 300 successful interrogations have been received from a Navy Oceanographic Office "Monster Buoy" since it was anchored at 30°N, 165°W on October 13, 1970.

Aboard another ship which departed San Diego on 28 October 1970 was an IRLS system attached to a Scripps Institute instrument package. IRLS successfully tracked the on-board package until its return to San Diego on 20 November 1970.

An IRLS platform located at 14,000 feet on Mount Rainer in the state of Washington relayed useful sensor data on the temperature of emitted volcanic steam to the U. S. Geological Survey via IRLS before bad weather caused it to stop functioning. Magnetic field measurements were relayed via a NOAA/IRLS platform located at Byrd Station, Antarctica. Other platforms in the IRLS program continue to be tested for non-meteorological applications.

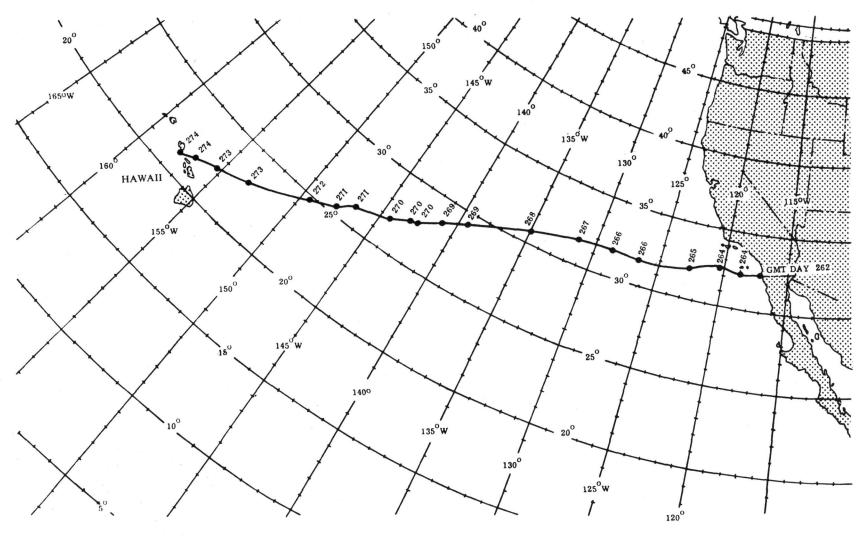


Figure 1-10 IRLS Locations of a Ship-Towed Buoy (GMT DAY 262=19 Sept. 1970; 274=1 Oct. 1970)

1.11 The Real Time Transmission System (RTTS) Experiment

The RTTS was inactive from orbit 356 until orbit 2366 when RTTS-THIR 11.5 μm data were requested by NOAA to cover a tropical depression off the Barbados Islands. Coverage of this area was provided between orbits 2366 and 2416. RTTS performance was good for this period.

The IRIS experiment was turned off during these RTTS transmissions, as the RTTS interferes with the IRIS. Interference was also observed in the SCR data.

SECTION 2

ORBITAL ELEMENTS AND DAILY SENSORS "ON" TABLES

The Nimbus 4 Brouwer Mean orbital elements for September and October 1970 are listed in Table 2-1.

The Daily Sensors "On" Table (Table 2-2) lists the times during which the IRIS, IDCS and THIR subsystems were turned on and off. The other subsystems (BUV, MUSE, SCR and SIRS) were on continuously during this catalog period and, therefore, are not individually listed. Data for these subsystems are available for the time spans embraced by the THIR $11.5~\mu m$ channel for any orbit listed.

Orbital sensor coverage in Table 2-2 is divided between daytime (D) and night-time (N) data. The tabulation includes both the Universal Time (UT) and longitude of orbital equator crossings for the ascending nodes for daytime (D) data and descending nodes for nighttime (N) data. The tape recorder HDRSS (A or B) used to record the data is also listed. If both are used on the same orbit, the one with the longer record time is listed first. The HDRSS with the shortest record time, listed second, represents less than 25 minutes of data. The change from one HDRSS to the other is normally indicated by the short gap of "no data" in the montage displays in Section 3 and 4.

Table 2-2 together with the World Map (Figure 2-1) and the vellum Subsatellite Tracks Overlay attached to the back of this catalog can be used to determine approximate geographic sensor coverages.

A Subsatellite Tracks Overlay is correctly oriented with the World Map when the ascending or descending node line on the overlay lays over the 0 degree latitude (equator) line of the World Map. Orbital sensor coverage is determined by placing an orbit track on the world map at the appropriate ascending node (for daytime) or descending node (for nighttime) longitude for the orbit (s) of interest.

The Subsatellite Tracks Overlay contains 14 correctly spaced tracks which end at the approximate earth day/night transitions. The tracks contain time ticks spaced 5 minutes apart, appropriately annotated at the edge of the overlay, referenced from the Equator. Minutes from equator crossings for all or part of a particular orbit are calculated by adding or subtracting from the ascending or descending node time listed for that orbit in the Daily Sensors "On" Table.

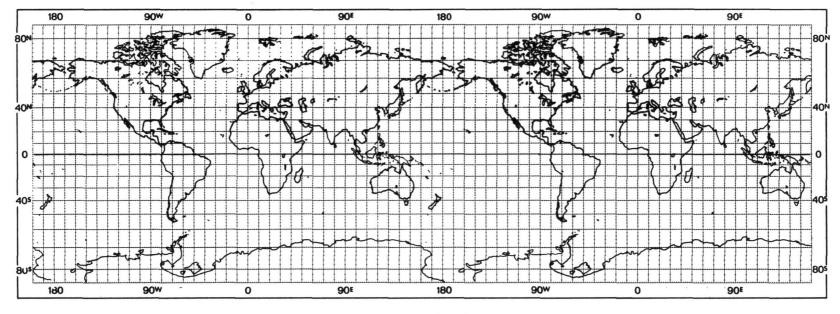


Figure 2-1 World Map

TABLE 2-1 $\label{eq:table_2-1}$ NIMBUS 4 BROUWER MEAN ORBITAL ELEMENTS FOR SEPTEMBER AND OCTOBER 1970

| processing the second s | | | | | |
|--|-------------------|---|--|---|--|
| Epoch | Universal Time | 7 Sep 1970 00 00 00 | 23 Sep 1970 00 00 00 | 7 Oct 1970 00 00 00 | 23 Oct 1970 00 00 00 |
| Validity Period | Universal Time | FR 1 Sep 70 00 00 00 TO 15 Sep 70 23 50 00 | FR 16 Sep 70 00 00 00 TO 30 Sep 70 23 50 00 | FR 1 Oct 70 00 00 00 TO 15 Oct 70 23 50 00 | FR 16 Oct 70 00 00 00 TO 31 Oct 70 23 50 00 |
| Semi-Major Axis | Km | 7471.6855 | 7471.6817 | 7471.6779 | 7471.6728 |
| Eccentricity | | .0007466 | .0007120 | .0007127 | .0007312 |
| Inclination | Degrees | 99.8771 | 99.8769 | 99.8771 | 99.8783 |
| Argument of Perigee | Degrees | 336.0112 | 294.8630 | 257,9809 | 215,4007 |
| Right Ascension of Ascending Node | Degrees | 163.0362 | 178.7177 | 192,4394 | 208.1229 |
| Mean Anomaly | Degrees | 337.71735 | 326.45674 | 2.53082 | 352.83110 |
| Height of Perigee | Km | 1087.94 | 1088.20 | 1088.19 | 1088.05 |
| Height of Apogee | Km | 1099.10 | 1098.84 | 1098.84 | 1098.97 |
| Anomalistic Period | Minutes | 107.1236 | 107.1235 | 107,1235 | 107,1234 |

TABLE 2-2 SENSOR ON-OFF TIMES DATE 1 SEPTEMBER 1970

| DATA | AS | SCEND | /DESC | END | | | IR | IS | | ТНІ | R HL | רוםוווו | ГУ | TEI | TH VIPER | IR ATUR | E | | ID | cs | |
|--------|----|-------|-------|----------|-------|----------|----------|----------|----------|------|------|---------|-----|-----|-------------|------------|-----|-----|-----|------|-----|
| ORBIT | | TIME | | LONG | HDRSS | 01 | V | OF | F | 01 | V | 0F | F | 01 | V | 0F | F | 10 | V | OF | F |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HR N | 1IN | HRI | NIN | HR | NIN | HR | NIN | HRN | ΛIN | HR N | ΛIN |
| 1957 D | 01 | 14 | 59 | E 158.71 | | | | | | | | | | | | | | | | | |
| 1957 N | 02 | 08 | 32 | W034.69 | | | | | | | | | | | | | | | | | |
| 1958 D | 03 | 02 | 13 | E 131.89 | | | | | | | | | | | | | | | | | |
| 1958 N | 03 | 55 | 46 | W061.50 | В | 03 | 26 | 04 | 27 | 03 | 29 | 04 | 26 | 03 | 28 | 04 | 27 | | | | |
| 1959 D | 04 | 49 | 27 | E 105.08 | В | 04 | 27 | 05 | 15 | | | | | 04 | 27 | 05 | 14 | 04 | 30 | 05 | 15 |
| 1959 N | 05 | 43 | 00 | W088.32 | В | 05 | 15 | 05 | 26 | 05 | 17 | 05 | 25 | 05 | 39 | 06 | 14 | | | | |
| 1959 N | 05 | 43 | 00 | W088.32 | Α | 05 | 38 | 06 | 14 | 05 | 39 | 06 | 12 | | | | | | | | |
| 1960 D | 06 | 36 | 41 | W078.29 | Α | 06 | 14 | 07 | 03 | | | | | 06 | 14 | 07 | 03 | 06 | 17 | 07 | 02 |
| 1960 N | 07 | 30 | 14 | W115.10 | B/A | 07 | 03 | 08 | 01 | 07 | 04 | 08 | 00 | 07 | 03 | 08 | 01 | | | | |
| 1961 D | 08 | 23 | 55 | E 051.48 | В | 08 | 01 | 08 | 50 | | | | | 08 | 01 | 08 | 50 | 08 | 04 | 08 | 49 |
| 1961 N | 09 | 17 | 29 | W141.92 | В | 08 09 | 50 29 | 08 09 | 53 49 | 08 | 59 | 09 | 36 | 08 | 59 | 09 | 49 | | | | |
| 1962 D | 10 | 11 | 09 | E 024.65 | В | 09 | 49 | 10 | 37 | | | | | 09 | 49 | 10 | 38 | 09 | 51 | 10 | 33 |
| 1962 N | 11 | 04 | 43 | W168.73 | Α | 10 | 37 | 10 | 43 | 10 | 40 | 11 | 35 | 10 | 40 | 11 | 23 | | | | |
| 1963 D | 11 | 58 | 23 | W002.16 | А | 11 | 44 | 12 | 26 | | | | | | | | | 11 | 39 | · 12 | 20 |
| 1963 N | 12 | 51 | 57 | E 164.44 | В | | | | | 12 | 28 | 13 | 23 | 12 | 27 | 13 | 23 | | | | |
| 1964 D | 13 | 45 | 37 | W028.95 | В | 13 | 59 | 14 | 11 | | | | | 13 | 23 | 14 | 10 | 13 | 26 | 14 | 07 |
| 1964 N | 14 | 39 | 11 | E 137.67 | Α | 14 | 56 | 15 | 10 | 14 | 13 | 15 | 10 | 14 | 23 | 15 | 10 | | | | |
| 1965 D | 15 | 32 | 52 | W055.76 | Α | 15 | 10 | 15 | 59 | | | | | 15 | 10 | 15 | 54 | 15 | 13 | 15 | 51 |
| 1965 N | 16 | 26 | 25 | E 110.34 | В | 15 | 59 | 16 | 58 | 16 | 00 | 16 | 57 | 15 | 59 | 16 | 58 | | | | |
| 1966 D | 17 | 20 | 06 | W082.58 | B/A | 16 | 58 | 17 | 46 | | | | | 16 | 58 | 17 | 46 | 17 | 00 | 17 | 38 |
| 1966 N | 18 | 13 | 39 | E 084.03 | Α | 17 | 46 | 18 | 45 | 17 | 47 | 18 | 44 | 17 | 46 | 18 | 45 | | | | |
| 1967 D | 19 | 07 | 20 | W109.40 | A/B | 18 | 45 | 19 | 33 | | | | | 18 | 45 | 19 | 33 | 18 | 48 | 19 | 22 |
| 1967 N | 20 | 00 | 53 | E 057.21 | В | 19 | 33 | 20 | 32 | 19 | 35 | 20 | 31 | 19 | 33 | 20 | 32 | | | | |
| 1968 D | 20 | 54 | 34 | W136.22 | B/A | 20 | 32 | 21 | 21 | | | | | 20 | 32 | 21 | 21 | 20 | 35 | 21 | 06 |
| 1968 N | 21 | 48 | 08 | E 030.43 | Α | 21 | 21 | 22 | 19 | 21 | 22 | 22 | 19 | 21 | 21 | 22 | 19 | | | | |
| 1969 D | 22 | 41 | 48 | W163.00 | Α | 22 | 19 | 22 | 56 | | | | | 22 | 19 | 22 | 56 | 22 | 22 | 22 | 53 |
| 1969 D | 22 | 41 | 48 | W163.00 | Α | 23 | 01 | 23 | 08 | | | | | 23 | 02 | 23 | 08 | | | | |
| 1969 N | 23 | 35 | 22 | E 003.61 | Α | 23 | 08 | 00 | 07 | 23 | 09 | 00 | 06 | 23 | 08 | 00 | 07 | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 2 SEPTEMBER 1970

| DATA | A: | | /DESC DDE | END | шььь | | IR | IS | | ТНІ | RHL | MIDI1 | Υ | TEI | TH MPER | IR ATUR | Ε | | ID | cs | |
|-----------------|----|------|--------------|----------|-------|----------|----------|----------|----------|------|-----|-------|-----|-----|------------|------------|-----|----|-----|-----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 10 | V | OF | F | 10 | V | 0 F | F | 10 | ı | OF | F | 01 | N | 0 F | : F |
| | HR | MIN | SEC | DEG | | HR | ΛIN | HR | ΛIN | HR N | ΛIN | HR | ΛIN | HR | NIN | HRM | /IN | HR | ΛIN | HR | MIN |
| 1970 D | 00 | 29 | 02 | E 170.19 | Α | 00 | 07 | 00 | 55 | | | | | 00 | 07 | 00 | 55 | 00 | 09 | 00 | 51 |
| 1970 N | 01 | 22 | 36 | W023.20 | B/A | 00 | 55 | 01 | 04 | 00 | 56 | 01 | 53 | 00 | 55 | 01 | 54 | | | | |
| 1971 D | 02 | 16 | 16 | E 143.37 | В | 02 | 18 | 02 | 42 | | | | | 01 | 54 | 02 | 42 | 01 | 56 | 02 | 38 |
| 1971 N | 03 | 09 | 50 | W050.03 | В | 02 | 42 | 03 | 03 | 02 | 44 | 03 | 03 | 02 | 42 | 03 | 03 | | | | |
| 1972 D | 04 | 03 | 30 | E 116.56 | | | | | | | | | | | | | | | | | |
| 1972 N | 04 | 57 | 04 | W076.84 | Α | 04 | 53 | 05 | 28 | 04 | 53 | 05 | 28 | 04 | 53 | 05 | 28 | | | | |
| 1973 D | 05 | 50 | 45 | E 089.77 | Α | 05 | 28 | 06 | 17 | | | | | 05 | 28 | 06 | 17 | 05 | 31 | 06 | 16 |
| 1973 N | 06 | 44 | 18 | W103.63 | A/B | 06 | 17 | 06 | 56 | 06 | 18 | 07 | 15 | 06 | 17 | 07 | 15 | | | | |
| 1974 D | 07 | 37 | 59 | E 062.96 | В | | | | | | | | | 07 | 15 | 08 | 04 | 07 | 18 | 08 | 00 |
| 1974 N | 08 | 31 | 32 | W130.44 | В | 08 08 | 02 13 | 08 09 | 07 03 | 08 | 14 | 09 | 02 | 08 | 14 | 09 | 03 | | | | |
| 1975 D | 09 | 25 | 13 | E 036.13 | В | 09 | 03 | 09 | 53 | | | | | 09 | 03 | 09 | 51 | 09 | 05 | 09 | 47 |
| 1975 N | 10 | 18 | 46 | W157.26 | А | 10 | 03 | 10 | 50 | 10 | 04 | 10 | 50 | 10 | 03 | 10 | 50 | | | | |
| 1976 D | 11 | 12 | 27 | E 009.32 | Α | 10 | 50 | 11 | 38 | | | | | 10 | 50 | 11 | 38 | 10 | 53 | 11 | 34 |
| 1976 N | 12 | 06 | 01 | E 175.93 | В | 11 | 38 | 12 | 37 | 11 | 43 | 12 | 37 | 11 | 43 | 12 | 37 | | | | |
| 1977 D | 12 | 59 | 41 | W017.47 | В | 12 | 37 | 13 | 26 | | | | | 12 | 37 | 13 | 26 | 12 | 40 | 13 | 25 |
| 1977 N | 13 | 53 | 15 | E 149.14 | A | 14 | 13 | 14 | 24 | 13 | 27 | 14 | 24 | 13 | 27 | 14 | 24 | | | | |
| 1978 D | 14 | 46 | 55 | W044.28 | Α | 14 | 24 | 15 | 13 | | | | | 14 | 24 | 15 | 11 | 14 | 27 | 15 | 12 |
| 1978 N | 15 | 40 | 29 | E 122.33 | В | 15 | 13 | 16 | 12 | 15 | 14 | 16 | 11 | 15 | 13 | 16 | 12 | | | | |
| 1979 D | 16 | 34 | 09 | W071.10 | B/A | 16 | 12 | 16 | 54 | | | | | 16 | 12 | 17 | 00 | 16 | 14 | 16 | 52 |
| 1979 N | 17 | 27 | 43 | E 095.50 | Α | 17 | 48 | 17 | 59 | 17 | 01 | 17 | 56 | 17 | 00 | 17 | 59 | | | | |
| 1980 D | 18 | 21 | 23 | W097.91 | A/B | 17 | 59 | 18 | 47 | | | | | 17 | 59 | 18 | 47 | 18 | 01 | 18 | 36 |
| 1980 N | 19 | 14 | 57 | E 068.69 | В | 18 | 47 | 19 | 46 | 18 | 49 | 19 | 46 | 18 | 47 | 19 | 46 | | | | |
| 1981 D | 20 | 08 | 38 | W124.74 | B/A | 19 | 46 | 20 | 25 | | | | | 19 | 46 | 20 | 35 | 19 | 49 | 20 | 23 |
| 1981 N | 21 | 02 | 11 | E 041.92 | Α | 20 | 59 | 21 | 33 | 20 | 35 | 21 | 32 | 20 | 35 | 21 | 33 | | | | |
| 1982 D | 21 | 55 | 52 | W151.51 | А | 21 | 33 | 22 | 10 | | | | | 21 | 33 | 22 | 10 | 21 | 36 | 22 | 04 |
| 1982 D | 21 | 55 | 52 | W151.51 | Α | 22 | 16 | 22 | 22 | | | | | 22 | 16 | 22 | 22 | | | | |
| 1982 N | 22 | 49 | 25 | E 015.09 | Α | 22 | 22 | 23 | 20 | 22 | 23 | 23 | 20 | 22 | 22 | 23 | 20 | | | | |
| 19 8 3 D | 23 | 43 | 06 | W178.34 | Α | 23 | 20 | 00 | 09 | | | | | 23 | 20 | 00 | 09 | 23 | 23 | 00 | 05 |
| 1983 N | 00 | 36 | 39 | W011.72 | Α | 00 | 09 | 00 | 18 | | | | | 00 | 09 | 00 | 19 | | | | |
| | | | | | | | | | | | | | | | 1 | | | | 1 | | |
| | | | | | | | | | | | | | | | | | | | | | |

TABLE 2-2 SENSOR ON-OFF TIMES DATE 3 SEPTEMBER 1970

| DATA | A | SCEND | /DESC | END | IID Dog | | IR | IS | | ТН | IR HL | MIDI | TY | TE | TH MPER | IR ATU | RE | | ID | cs | |
|--------|----|-------|-------|----------|---------|----|-----|----|-----|----|-------|------|-----|----|------------|-----------|-----|----------|----------|----------|----------|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | OF | F | 0 | N | 01 | FF | 0 | N | 0 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN |
| 1984 D | 01 | 30 | 20 | E 154.84 | | | | | | | | | | | | | | | | | |
| 1984 N | 02 | 23 | 54 | W038.54 | | | | | | | | | | | | | | | | | |
| 1985 D | 03 | 17 | 34 | E 128.03 | | | | | | | | | | | | | | | | | |
| 1985 N | 04 | 11 | 08 | W065.36 | В | 03 | 41 | 04 | 42 | 03 | 45 | 04 | 42 | 03 | 43 | 04 | 42 | | | | |
| 1986 D | 05 | 04 | 48 | E 101.25 | В | 04 | 42 | 05 | 31 | | | | | 04 | 42 | 05 | 31 | 04 | 45 | 05 | 30 |
| 1986 N | 05 | 58 | 22 | W092.14 | В | 05 | 31 | 05 | 41 | 05 | 32 | 05 | 41 | 05 | 31 | 05 | 41 | | | | |
| 1987 D | 06 | 52 | 02 | E 074.43 | | | | | | | | | | | | | | | | | |
| 1987 N | 07 | 45 | 36 | W118.96 | Α | 07 | 42 | 08 | 17 | 07 | 30 | 08 | 16 | 07 | 30 | 08 | 17 | | | | |
| 1988 D | 08 | 39 | 16 | E 047.61 | А | 08 | 17 | 09 | 05 | | | | | 08 | 17 | 08 | 49 | 08 | 19 | 08 | 47 |
| 1988 N | 09 | 32 | 50 | W145.78 | В | 09 | 05 | 10 | 04 | 09 | 09 | 10 | 02 | 09 | 09 | 10 | 04 | | | | |
| 1989 D | 10 | 26 | 31 | E 020.79 | В | 10 | 04 | 10 | 52 | | | | | 10 | 04 | 10 | 52 | 10 | 06 | 10 | 51 |
| 1989 N | 11 | 20 | 04 | W172.59 | Α | 10 | 52 | 11 | 51 | 10 | 55 | 11 | 51 | 10 | 55 | 11 | 51 | | | | |
| 1990 D | 12 | 13 | 45 | W005.98 | Α | 11 | 51 | 12 | 40 | | | _ | | 11 | 51 | 12 | 40 | 11 | 54 | 12 | 35 |
| 1990 N | 13 | 07 | 18 | E 160.62 | В | 12 | 40 | 13 | 38 | 12 | 42 | 13 | 38 | 12 | 42 | 13 | 38 | | | | |
| 1991 D | 14 | 00 | 59 | W032.81 | В | 13 | 38 | 14 | 27 | | | | | 13 | 38 | 14 | 26 | 13 | 41 | 14 | 22 |
| 1991 N | 14 | 54 | 33 | E 133.81 | А | 14 | 33 | 15 | 26 | 14 | 34 | 15 | 25 | 14 | 34 | 15 | 26 | | | | |
| 1992 D | 15 | 48 | 13 | W059.62 | A | 15 | 26 | 16 | 14 | 22 | | | | 15 | 26 | 16 | 09 | 15 | 28 | 16 | 10 |
| 1992 N | 16 | 41 | 47 | E 106.98 | В | 16 | 14 | 17 | 13 | 16 | 15 | 17 | 11 | 16 | 14 | 17 | 13 | | | | |
| 1993 D | 17 | 35 | 27 | W086.45 | B/A | 17 | 13 | 17 | 54 | | | | | 17 | 13 | 18 | 01 | 17 | 15 | 17 | 53 |
| 1993 N | 18 | 29 | 01 | E 080.17 | A | | | | | 18 | 03 | 18 | 59 | 18 | 01 | 19 | 00 | | | | |
| 1994 D | 19 | 22 | 41 | W113.22 | A/B | 19 | 05 | 19 | 48 | | | | | 19 | 00 | 19 | 48 | 19 | 03 | 19 | 48 |
| 1994 N | 20 | 16 | 15 | E 053.38 | В | 19 | 48 | 20 | 47 | 19 | 50 | 20 | 47 | 19 | 48 | 20 | 47 | | | | |
| 1995 D | 21 | 09 | 55 | W140.05 | B/A | 20 | 47 | 21 | 26 | | | | | 20 | 47 | 21 | 36 | 20 21 | 50 28 | 21 21 | 25 35 |
| 1995 N | 22 | 03 | 29 | E 026.57 | А | 22 | 10 | 22 | 34 | 21 | 37 | 22 | 29 | 21 | 36 | 22 | 34 | | | | |
| 1996 D | 22 | 57 | 09 | W166.86 | Α | 22 | 34 | 23 | 06 | | | | | 22 | 34 | 23 | 11 | 22 | 37 | 23 | 08 |
| 1996 D | 22 | 57 | 09 | W166.86 | Α | | | | | | | | | 23 | 18 | 23 | 23 | | | | |
| 1996 N | 23 | 50 | 43 | W000.25 | Α | | | | | 23 | 24 | 00 | 21 | 23 | 23 | 00 | 22 | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | - | | 1 | | | - | | - | | - | | | | | | | | - | | _ | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 4 SEPTEMBER 1970

| DATA | A | SCEND | /DESC | END | UDDCC | | IR | IS | | ТН | IR HL | JMIDI | TY | TE | TH MPEF | IR RATUI | RE | | ID | cs | - |
|--------|----|-------|-------|----------|-------|----------|----------|----------|----------|----|-------|-------|-----|----|------------|-------------|-----|------|-----|----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | OF | F | 0 | N | 0 | FF | 0 | N | 0 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HR | MIN | HR | MIN | НЯ | MIN | HR | MIN | HR | MIN | HR | MIN |
| 1997 D | 00 | 44 | 24 | E 166.32 | Α | 00 | 22 | 01 | 10 | | | | | 00 | 22 | 01 | 10 | 00 | 24 | 01 | 09 |
| 1997 N | 01 | 37 | 57 | W027.06 | B/A | 01 | 10 | 02 | 09 | 01 | 12 | 02 | 08 | 01 | 10 | 02 | 09 | | | | |
| 1998 D | 02 | 31 | 38 | E 139.51 | В | 02 | 09 | 02 | 57 | | | | | 02 | 09 | 02 | 57 | 02 | 12 | 02 | 53 |
| 1998 N | 03 | 25 | 11 | W053.89 | В | 02 | 57 | 03 | 14 | 02 | 59 | 03 | 18 | 02 | 57 | 03 | 18 | | | | |
| 1999 D | 04 | 18 | 52 | E 112.72 | | | | | | | | | | | | | | | | | |
| 1999 N | 05 | 12 | 26 | W080.66 | В | 05 | 02 | 05 | 43 | 05 | 03 | 05 | 44 | 05 | 03 | 05 | 43 | | | | |
| 2000 D | 06 | 06 | 06 | E 085.91 | В | 05 | 43 | 06 | 32 | | | | | 05 | 43 | 06 | 32 | 05 | 46 | 06 | 31 |
| 2000 N | 06 | 59 | 40 | W107.49 | A/B | 06 | 32 | 07 | 31 | 06 | 33 | 07 | 30 | 06 | 32 | 07 | 31 | | | | |
| 2001 D | 07 | 53 | 20 | E 059.08 | Α | 07 | 31 | 08 | 19 | | | | | 07 | 31 | 08 | 19 | 07 | 33 | 08 | 15 |
| 2001 N | 08 | 46 | 54 | W134.30 | В | 08 08 | 19 32 | 08 09 | 22 18 | 08 | 25 | 09 | 15 | 08 | 24 | 09 | 18 | | | | |
| 2002 D | 09 | 40 | 34 | E 032.27 | В | 09 | 18 | 10 | 06 | | | | | 09 | 18 | 10 | 06 | 09 | 20 | 10 | 02 |
| 2002 N | 10 | 34 | 08 | W161.12 | А | 10 | 06 | 11 | 05 | 10 | 11 | 11 | 05 | 10 | 11 | 11 | 05 | | | | |
| 2003 D | 11 | 27 | 48 | E 005.50 | А | 11 | 05 | 11 | 54 | | | | | 11 | 05 | 11 | 48 | 11 | 08 | 11 | 53 |
| 2003 N | 12 | 21 | 22 | E 172.10 | В | 11 | 54 | 12 | 52 | 11 | 57 | 12 | 51 | 11 | 56 | 12 | 52 | | | | |
| 2004 D | 13 | 15 | 02 | W021.33 | В | 12 | 52 | 13 | 41 | | | | | 12 | 52 | 13 | 41 | 12 | 55 | 13 | 36 |
| 2004 N | 14 | 08 | 36 | E 145.28 | А | 13 | 41 | 14 | 40 | 13 | 43 | 14 | 39 | 13 | 43 | 14 | 40 | | | | |
| 2005 D | 15 | 02 | 16 | W048.14 | Α | 14 | 40 | 15 | 28 | | | | | 14 | 40 | 15 | 25 | 14 | 42 | 15 | 24 |
| 2005 N | 15 | 55 | 50 | E 113.47 | В | 15 | 28 | 16 | 27 | 15 | 29 | 16 | 26 | 15 | 28 | 16 | 27 | | | | |
| 2006 D | 16 | 49 | 31 | W074.96 | В | 16 | 27 | 17 | 15 | | | | | 16 | 27 | 17 | 09 | 16 | 29 | 17 | 08 |
| 2006 N | 17 | 43 | 05 | E 091.64 | Α | 17 | 15 | 18 | 14 | 17 | 17 | 18 | 14 | 17 | 15 | 18 | 14 | | | | |
| 2007 D | 18 | 36 | 45 | W101.74 | A/B | 18 | 14 | 19 | 02 | | | 1. | | 18 | 14 | 19 | 02 | 18 | 17 | 18 | 51 |
| 2007 N | 19 | 30 | 19 | E 064.87 | В | 19 | 02 | 20 | 01 | 19 | 04 | 20 | 01 | 19 | 02 | 20 | 01 | | | | |
| 2008 D | 20 | 23 | 59 | W128.56 | B/A | 20 | 01 | 20 | 50 | | | | | 20 | 01 | 20 | 50 | 20 | 04 | 20 | 49 |
| 2008 N | 21 | 17 | 33 | E 038.04 | Α | 20 | 50 | 21 | 48 | 20 | 52 | 21 | 49 | 20 | 50 | 21 | 48 | | | | |
| 2009 D | 22 | 11 | 13 | W155.37 | Α | 21 22 | 48 30 | 22 22 | 25 37 | | | | | 21 | 48 | 22 | 25 | · 21 | 51 | 22 | 26 |
| 2009 N | 23 | 04 | 47 | E 011.23 | Α | | 37 | | 56 | | | | | | | | | | | | |
| 2010 D | 23 | 58 | 1 | E 177.80 | Α | 23 | 56 | 00 | 24 | | | | | | | | | 23 | 38 | 00 | 23 |
| 2010 N | 00 | 52 | 01 | W015.59 | Α | 00 | 24 | 00 | 33 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 5 SEPTEMBER 1970

| DATA | A | SCEND NO | /DESC | END | | | IR | IS | | ТНІ | RHU | IMIDI. | ГҮ | TEI | TH MPER | IR ATUF | RE | | IDI | cs | |
|--------|----|-------------|-------|----------|-------|----------|----------|----------|----------|-----|-----|--------|-----|----------|------------|------------|----------|-----|-----|-----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | 0 F | F | 01 | N | 01 | FF | 0 | N | 01 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HRI | MIN | HRI | MIN | HRI | MIN | HR | MIN | HRI | MIN | HRI | MIN |
| 2011 D | 01 | 45 | 41 | E 151.03 | | | | | | | | | | | | | | | | | |
| 2011 N | 02 | 39 | 15 | W042.40 | В | 02 | 13 | 03 | 10 | 02 | 14 | 03 | 10 | 02 | 14 | 03 | 10 | | | | |
| 2012 D | 03 | 32 | 55 | E 124.20 | В | 03 | 10 | 03 | 59 | | | | | 03 | 10 | 03 | 59 | 03 | 13 | 03 | 58 |
| 2012 N | 04 | 26 | 29 | W069.19 | В | 03 | 59 | 04 | 14 | 04 | 00 | 04 | 14 | 03 | 59 | 04 | 14 | | | | |
| 2012 N | 04 | 26 | 29 | W069.19 | В | 04 | 20 | 04 | 57 | 04 | 39 | 04 | 57 | 04 | 39 | 04 | 57 | | | | |
| 2013 D | 05 | 20 | 09 | E 097.39 | В | 04 | 57 | 05 | 46 | | | | | 04 | 57 | 05 | 46 | 05 | 00 | 05 | 45 |
| 2013 N | 06 | 13 | 43 | W096.00 | В | 05 06 | 46 02 | 05 06 | 56 45 | 06 | 02 | 06 | 44 | 05 06 | 46 02 | 05 06 | 53 45 | | | | |
| 2014 D | 07 | 07 | 24 | E 070.56 | В | 06 | 45 | 07 | 33 | | | | | 06 | 45 | 07 | 33 | 06 | 47 | 07 | 29 |
| 2014 N | 08 | 00 | 58 | W122.83 | A/B | 07 | 33 | 08 | 32 | 07 | 41 | 08 | 31 | 07 | 33 | 08 | 32 | | | | |
| 2015 D | 08 | 54 | 38 | E 043.75 | А | 08 | 32 | 09 | 20 | | | | | 08 | 32 | 09 | 20 | 08 | 34 | 09 | 20 |
| 2015 N | 09 | 48 | 12 | W149.64 | Α | 09 09 | 20 29 | 09 10 | 24 19 | 09 | 30 | 10 | 19 | 09 | 30 | 10 | 19 | | | | |
| 2016 D | 10 | 41 | 52 | E 016.97 | Α | 10 | 19 | 11 | 10 | | | | | 10 | 19 | 11 | 07 | 10 | 21 | 11 | 07 |
| 2016 N | 11 | 35 | 26 | W176.43 | Α | 11 | 16 | 12 | 06 | 11 | 17 | 12 | 06 | 11 | 17 | 12 | 06 | | | | |
| 2017 D | 12 | 29 | 06 | W009.85 | Α | 12 | 07 | 12 | 55 | | | | | 12 | 06 | 12 | 55 | 12 | 09 | 12 | 50 |
| 2017 N | 13 | 22 | 40 | E 156.76 | В | 12 | 55 | 13 | 53 | 12 | 57 | 13 | 53 | 12 | 58 | 13 | 53 | | | | |
| 2018 D | 14 | 16 | 20 | W036.67 | В | 13 | 53 | 14 | 41 | | | | | 13 | 53 | 14 | 41 | 13 | 56 | 14 | 38 |
| 2018 N | 15 | 09 | 54 | E 129.94 | Α | 14 | 42 | 15 | 41 | 14 | 43 | 15 | 40 | 14 | 43 | 15 | 41 | | | | |
| 2019 D | 16 | 03 | 34 | W063.48 | Α | 15 | 41 | 16 | 29 | | | | | 15 | 41 | 16 | 24 | 15 | 43 | 16 | 21 |
| 2019 N | 16 | 57 | 08 | E 103.13 | В | 16 | 29 | 17 | 28 | 16 | 34 | 17 | 27 | 16 | 29 | 17 | 28 | | | | |
| 2020 D | 17 | 50 | 48 | W090.27 | B/A | 17 | 28 | 18 | 16 | | - | | | 17 | 28 | 18 | 16 | 17 | 31 | 18 | 05 |
| 2020 N | 18 | 44 | 22 | E 076.35 | Α | 18 | 16 | 19 | 15 | 18 | 18 | 19 | 15 | 18 | 16 | 19 | 15 | | | | |
| 2021 D | 19 | 38 | 02 | W117.08 | A/B | 19 | 15 | 20 | 04 | | | | | 19 | 15 | 20 | 04 | 18 | 16 | 20 | 03 |
| 2021 N | 20 | 31 | 36 | E 049.53 | В | 20 | 04 | 21 | 02 | 20 | 05 | 21 | 02 | 20 | 04 | 21 | 02 | | | | |
| 2022 D | 21 | 25 | 17 | W143.91 | B/A | 21 | 02 | 21 | 51 | | | | | 21 | 02 | 21 | 51 | 21 | 05 | 21 | 39 |
| 2022 N | 22 | 18 | 51 | E 022.71 | Α | 21 | 51 | 22 | 50 | 21 | 52 | 22 | 49 | 21 | 51 | 22 | 50 | | | | |
| 2023 D | 23 | 12 | 31 | W170.72 | Α | 22 | 50 | 23 | 38 | | | | | 22 | 50 | 23 | 38 | 22 | 52 | 23 | 37 |
| 2023 N | 00 | 06 | 05 | W004.11 | B/A | 23 | 38 | 00 | 37 | 23 | 44 | 00 | 37 | 23 | 38 | 00 | 37 | | | | |
| | | | | | | | | | | | | | | | | | | | | , | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 6 SEPTEMBER 1970

| DATA | А | SCEND | /DESC | END | IID DOG | | IR | IIS | | ТН | R HI | JMIDI | TY | TE | | IIR RATUI | RE | | ID | CS | |
|--------|----|-------|-------|----------|---------|----------|----------|----------|----------|----|------|-------|-----|----|-----|--------------|-----|----|-----|----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | OF | F | 0 | N | 01 | FF | 0 | N | 0 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HR | VIIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN |
| 2024 D | 00 | 59 | 45 | E 162.49 | В | 00 | 37 | 01 | 25 | | | | | 00 | 37 | 01 | 25 | 00 | 39 | 01 | 25 |
| 2024 N | 01 | 53 | 19 | W030.92 | В | 01 | 25 | 01 | 46 | 01 | 27 | 01 | 46 | 01 | 25 | 01 | 46 | | | | |
| 2025 D | 02 | 46 | 59 | E 135.68 | | | | | | | | | | | | | | | | | |
| 2025 N | 03 | 40 | 33 | W057.71 | | | | | | | | | | | | | | | | | |
| 2026 D | 04 | 34 | 13 | E 108.86 | | | | | | | | | | | | | | | | | |
| 2026 N | 05 | 27 | 47 | W084.52 | В | 05 | 16 | 05 | 59 | 05 | 17 | 05 | 58 | 05 | 17 | 05 | 59 | | | | |
| 2027 D | 06 | 21 | 27 | E 082.05 | В | 05 | 59 | 06 | 47 | | | | | 05 | 59 | 06 | 47 | 06 | 01 | 06 | 46 |
| 2027 N | 07 | 15 | 01 | W111.35 | A/B | 06 07 | 47 43 | 06 07 | 58 46 | 06 | 49 | 07 | 45 | 06 | 47 | 07 | 46 | | | | |
| 2028 D | 08 | 08 | 41 | E 055.22 | А | 07 | 46 | 08 | 34 | | | | | 07 | 46 | 08 | 34 | 07 | 48 | 08 | 30 |
| 2028 N | 09 | 02 | 15 | W138.16 | В | 08 | 34 | 08 | 38 | 08 | 41 | 09 | 33 | 08 | 41 | 09 | 33 | | | | |
| 2029 D | 09 | 55 | 55 | E 028.45 | В | 10 | 16 | 10 | 21 | | | | | 09 | 33 | 10 | 21 | 09 | 36 | 10 | 17 |
| 2029 N | 10 | 49 | 30 | W164.94 | Α | 10 | 21 | 11 | 20 | 10 | 26 | 11 | 20 | 10 | 26 | 11 | 20 | | | | |
| 2030 D | 11 | 43 | 10 | E 001.62 | Α | 11 | 20 | 12 | 09 | | | | | 11 | 20 | 12 | 09 | 11 | 23 | 12 | 04 |
| 2030 N | 12 | 36 | 44 | E 168.24 | В | 12 | 09 | 13 | 07 | 12 | 13 | 13 | 07 | 12 | 14 | 13 | 07 | | | | |
| 2031 D | 13 | 30 | 24 | W025.19 | В | 13 | 07 | 13 | 56 | | | | | 13 | 07 | 13 | 56 | 13 | 10 | 13 | 52 |
| 2031 N | 14 | 23 | 58 | E 141.42 | А | 13 | 56 | 14 | 55 | 13 | 58 | 14 | 54 | 13 | 58 | 14 | 55 | | | | |
| 2032 D | 15 | 17 | 38 | W052.01 | А | 14 | 55 | 15 | 41 | | | | | 14 | 55 | 15 | 40 | 15 | 01 | 15 | 39 |
| 2032 N | 16 | 11 | 12 | E 114.61 | В | 15 | 44 | 16 | 42 | 15 | 45 | 16 | 42 | 15 | 43 | 16 | 42 | | | | |
| 2033 D | 17 | 04 | 52 | W078.79 | B/A | 16 | 42 | 17 | 23 | | | | | 16 | 42 | 17 | 30 | 16 | 44 | 17 | 23 |
| 2033 N | 17 | 58 | 26 | E 087.82 | Α | | | | | 17 | 32 | 18 | 29 | 17 | 30 | 18 | 29 | | | | |
| 2034 D | 18 | 52 | 06 | W105.60 | A/B | 19 | 04 | 19 | 08 | | | | | 18 | 29 | 19 | 18 | 18 | 32 | 19 | 17 |
| 2034 N | 19 | 45 | 40 | E 061.01 | В | 19 | 59 | 20 | 16 | 19 | 19 | 20 | 16 | 19 | 18 | 20 | 16 | | | | |
| 2035 D | 20 | 39 | 20 | W132.42 | B/A | 20 | 16 | 21 | 05 | | | | | 20 | 16 | 21 | 05 | 20 | 19 | 21 | 04 |
| 2035 N | 21 | 32 | 54 | E 034.18 | A | 21 | 05 | 22 | 04 | 21 | 07 | 22 | 03 | 21 | 05 | 22 | 04 | | | | |
| 2036 D | 22 | 26 | 34 | W159.24 | Α | 22 22 | 04 46 | 22 | 41 52 | | | | | 22 | 04 | 22 | 41 | 22 | 06 | 22 | 41 |
| 2036 N | 23 | 20 | 08 | E 007.37 | Α | | | | | 22 | 54 | 23 | 51 | 22 | 52 | 23 | 51 | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | _ | | | | | | | | | | | |

TABLE 2-2 SENSOR ON-OFF TIMES DATE 7 SEPTEMBER 1970

| DATA | ASCEND/DESCEND NODE | | | | 110,000 | IRIS | | | | ТНІ | R HU | MIDI | ГҮ | TEI | TH | IR ATUF | RE | IDCS | | | |
|--------|------------------------|------|-----|----------|---------|------|-----|-----|-----|-----|------|------|-----|----------|-----|------------|----------|------|-----|----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 01 | V | 0F | F | 01 | N | OF | F | 01 | V | OFF | | 01 | V | 10 | F |
| | HR | MIN | SEC | DEG | | HR | MIN | HRI | MIN | HR | ΛIN | HRI | MIN | HRI | MIN | HRI | MIN | HR | ΛIN | HR | ΛIN |
| 2037 D | 00 | .13 | 48 | E 173.98 | Α | 23 | 51 | 00 | 39 | | | | | 23 | 51 | 00 | 39 | 23 | 54 | 00 | 35 |
| 2037 N | 01 | 07 | 23 | W019.45 | Α | 00 | 39 | 00 | 49 | 00 | 41 | 00 | 49 | 00 | 39 | 00 | 49 | | | | |
| 2038 D | 02 | 01 | 03 | E 147.16 | 3 | | | | | | | | | | | | | | | | |
| 2038 N | 02 | 54 | 37 | W046.23 | В | 02 | 27 | 03 | 25 | 02 | 28 | 03 | 25 | 02 | 28 | 03 | 25 | | | | |
| 2039 D | 03 | 48 | 17 | E 120.34 | В | 03 | 25 | 04 | 14 | | | | | 03 | 25 | 04 | 14 | 03 | 28 | 04 | 09 |
| 2039 N | 04 | 41 | 51 | W073.05 | В | 04 | 14 | 04 | 26 | 04 | 15 | 04 | 26 | 04 | 14 | 04 | 26 | | | | |
| 2039 N | 04 | 41 | 51 | W073.05 | В | 04 | 33 | 05 | 12 | 04 | 33 | 05 | 12 | 04 | 33 | 05 | 12 | | | | |
| 2040 D | 05 | 35 | 31 | E 093.53 | В | 05 | 12 | 06 | 01 | | | | | 05 | 12 | 06 | 01 | 05 | 15 | 05 | 57 |
| 2040 N | 06 | 29 | 05 | W099.86 | Α | 06 | 01 | 07 | 00 | 06 | 14 | 07 | 00 | 06 06 | 01 | 06 07 | 10 00 | | | | |
| 2041 D | 07 | 22 | 45 | E 066.74 | Α | 07 | 00 | 07 | 48 | | | | | 07 | 00 | 07 | 48 | 07 | 02 | 07 | 44 |
| 2041 N | 08 | 16 | 19 | W126.69 | B/A | 07 | 48 | 08 | 47 | 07 | 57 | 08 | 47 | 07 | 48 | 08 | 47 | | | | |
| 2042 D | 09 | 09 | 59 | E 039.93 | В | 08 | 47 | 09 | 35 | | | | | 08 | 47 | 09 | 35 | 08 | 50 | 09 | 31 |
| 2042 N | 10 | 03 | 33 | W153.46 | Α | 09 | 35 | 10 | 34 | 09 | 40 | 10 | 34 | 09 | 40 | 10 | 34 | | | | |
| 2043 D | 10 | 57 | 13 | E 013.10 | Α | 10 | 34 | 11 | 24 | | | | | 10 | 34 | 11 | 23 | 10 | 37 | 11 | 18 |
| 2043 N | 11 | 50 | 47 | E 179.71 | В | 11 | 26 | 12 | 21 | 11 | 26 | 12 | 21 | 11 | 27 | 12 | 21 | | | | |
| 2044 D | 12 | 44 | 27 | W013.71 | В | 12 | 21 | 13 | 10 | | | | | 12 | 21 | 13 | 10 | 12 | 24 | 13 | 06 |
| 2044 N | 13 | 38 | 02 | E 152.90 | Α | 13 | 10 | 14 | 09 | 13 | 12 | 14 | 07 | 13 | 12 | 14 | 09 | | | | |
| 2045 D | 14 | 31 | 41 | W040.53 | Α | 14 | 09 | 14 | 57 | | | | | 14 | 09 | 14 | 56 | 14 | 11 | 14 | 53 |
| 2045 N | 15 | 25 | 16 | E 126.08 | В | 14 | 57 | 15 | 56 | 14 | 59 | 15 | 56 | 14 | 58 | 15 | 56 | | | | |
| 2046 D | 16 | 18 | 56 | W067.31 | В | 15 | 56 | 16 | 44 | | | | | 15 | 56 | 16 | 39 | 15 | 58 | 16 | 37 |
| 2046 N | 17 | 12 | 30 | E 099.30 | Α | 16 | 44 | 17 | 43 | 16 | 46 | 17 | 43 | 16 | 44 | 17 | 43 | | | | |
| 2047 D | 18 | 06 | 10 | W094.13 | A/B | 17 | 43 | 18 | 32 | | | | | 17 | 43 | 18 | 32 | 17 | 46 | 18 | 24 |
| 2047 N | 18 | 59 | 44 | E 072.48 | В | 18 | 32 | 19 | 30 | 18 | 33 | 19 | 30 | 18 | 32 | 19 | 30 | | | | |
| 2048 D | 19 | 53 | 24 | W120.94 | B/A | 19 | 30 | 20 | 09 | | | | | 19 | 30 | 20 | 19 | 19 | 33 | 20 | 07 |
| 2048 N | 20 | 46 | 58 | E 045.67 | Α | | | | | 20 | 21 | 21 | 17 | 20 | 19 | 21 | 17 | | | | |
| 2049 D | 21 | 40 | 38 | W147.77 | Α | 21 | 48 | 21 | 55 | | | | | 21 | 17 | 21 | 54 | 21 | 20 | 21 | 52 |
| 2049 D | 21 | 40 | 38 | W147.77 | Α | 22 | 00 | 22 | 06 | | | | | 22 | 00 | 22 | 06 | | | | |
| 2049 N | 22 | 34 | 12 | E 018.84 | Α | 22 | 06 | 23 | 05 | 22 | 08 | 23 | 05 | 22 | 06 | 23 | 05 | | | | |
| 2050 D | 23 | 27 | 52 | W174.54 | Α | 23 | 05 | 23 | 53 | | | | | 23 | 05 | 23 | 53 | 23 | 07 | 23 | 49 |
| 2050 N | 00 | 21 | 26 | W007.97 | B/A | 23 | 53 | 00 | 52 | 00 | 00 | 00 | 52 | 23 | 53 | 00 | 52 | | | | |

TABLE 2-2 SENSOR ON-OFF TIMES DATE 8 SEPTEMBER 1970

| DATA | A | SCEND | /DESC | END | UDDCC | | IR | IS | | ТН | IR HL | JMIDI | ΤY | TE | TH MPE F | IIR RATUI | RE | | ID | CS | |
|--------|----|-------|-------|----------|-------|----|----------|----------|----------|----|-------|-------|-----|----|-------------|--------------|-----|------|-----|----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | O F | F | 0 | N | 0 | FF | 0 | N | 0 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN |
| 2051 D | 01 | 15 | 06 | E 158.63 | В | 00 | 52 | 01 | 32 | | | | | 00 | 52 | 01 | 40 | 00 | 55 | 01 | 40 |
| 2051 N | 02 | 08 | 40 | W034.76 | В | | | | | 01 | 42 | 02 | 01 | 01 | 40 | 02 | 02 | | | | |
| 2052 D | 03 | 02 | 20 | E 131.82 | | | | | | | | | | | | | | | | | |
| 2052 N | 03 | 55 | 55 | W061.57 | | | | | | | | | | | | | | | | | |
| 2053 D | 04 | 49 | 34 | E 105.00 | | | | | | | | | | | | | | | | | |
| 2053 N | 05 | 43 | 09 | W088.39 | В | 05 | 32 | 06 | 14 | 05 | 32 | 06 | 14 | 05 | 32 | 06 | 14 | | | | |
| 2054 D | 06 | 36 | 48 | E 078.22 | В | 06 | 14 | 07 | 02 | | | | | 06 | 14 | 07 | 02 | 06 | 16 | 07 | 01 |
| 2054 N | 07 | 30 | 23 | W115.20 | A/B | 07 | 02 | 08 | 01 | 07 | 04 | 07 | 12 | 07 | 02 | 08 | 01 | | | | |
| 2055 D | 08 | 24 | 03 | E 051.40 | Α | 08 | 01 | 08 | 49 | | | | | 08 | 01 | 08 | 49 | 08 | 03 | 08 | 45 |
| 2055 N | 09 | 17 | 37 | W141.99 | B/A | 08 | 49 | 08 | 55 | 08 | 57 | 09 | 48 | 08 | 49 | 09 | 48 | | | | |
| 2056 D | 10 | 11 | 17 | E 024.59 | В | 09 | 52 | 10 | 37 | | | | | 09 | 48 | 10 | 37 | 09 | 51 | 10 | 32 |
| 2056 N | 11 | 04 | 51 | W168.80 | А | 10 | 37 | 11 | 35 | 10 | 40 | 11 | 35 | 10 | 41 | 11 | 35 | | | | |
| 2057 D | 11 | 58 | 31 | W002.24 | Α | 11 | 35 | 12 | 24 | | | | | 11 | 35 | 12 | 24 | 11 | 38 | 12 | 19 |
| 2057 N | 12 | 52 | 05 | E 164.37 | В | 12 | 24 16 | 12 13 | 28 20 | 12 | 29 | 13 | 22 | 12 | 29 | 13 | 23 | | | | |
| 2058 D | 13 | 45 | 45 | W029.01 | В | | | | | | | | | 13 | 23 | 14 | 12 | 13 | 25 | 14 | 10 |
| 2058 N | 14 | 39 | 19 | E 137.56 | Α | | | | | 14 | 13 | 15 | 10 | 14 | 12 | 14 | 58 | | | | |
| 2059 D | 15 | 32 | 59 | W055.84 | А | | | | | | | | | | | | | 15 | 12 | 15 | 57 |
| 2059 N | 16 | 26 | 33 | E 110.78 | В | 16 | 02 | 16 | 57 | 16 | 03 | 16 | 57 | | | | | | | | |
| 2060 D | 17 | 20 | 13 | W082.65 | В | 16 | 57 | 17 | 37 | | | | | | | | | 17 | 00 | 17 | 38 |
| 2060 N | 18 | 13 | 48 | E 083.96 | Α | 17 | 47 | 18 | 44 | 17 | 48 | 18 | 44 | | | | | | | | |
| 2061 D | 19 | 07 | 27 | W109.47 | В | 18 | 44 | 19 | 33 | | | | | 19 | 25 | 19 | 33 | 18 | 47 | 19 | 32 |
| 2061 N | 20 | 01 | 02 | E 057.15 | В | 19 | 33 | 20 | 31 | 19 | 35 | 20 | 31 | 19 | 33 | 20 | 31 | | | | |
| 2062 D | 20 | 54 | 41 | W136.29 | В | 20 | 31 | 21 | 20 | | | | | 20 | 31 | 21 | 11 | 20 | 34 | 21 | 09 |
| 2062 N | 21 | 48 | 16 | E 030.32 | Α | 21 | 20 | 22 | 19 | 21 | 22 | 22 | 19 | | | | | | | | |
| 2063 D | 22 | 41 | 56 | W163.07 | Α | 22 | 19 02 | 22 23 | 56 07 | | | | | | | | | - 22 | 21 | 22 | 56 |
| 2063 N | 23 | 35 | • 30 | E 003.55 | Α | 23 | 07 | 00 | 06 | 23 | 09 | 00 | 06 | | | | | | | | |
| | | | | | | | 7 | | | | | | | | | | | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 9 SEPTEMBER 1970

| ORBIT | | | ASCEND/DESCEND NODE | | | | IRIS | | | | THIR HUMII | | | MIDITY TEM | | | THIR IPERATURE | | | cs | |
|--------|------|-----|------------------------|----------|-------|----|------|----|--------|----|------------|----|--------|------------|-----|--------|-------------------|--------|-----|----|-----|
| | TIME | | | LONG | HDRSS | 01 | V | OF | F | 01 | N | 0F | F | 10 | 1 | OF | F | 0 | N | 0 | FF |
| | HR | MIN | SEC | DEG | | HR | NIN | HR | HR MIN | | HR MIN | | HR MIN | | ΛIN | HR MIN | | HR MIN | | HR | MIN |
| 2064 D | 00 | 29 | 10 | E 170.11 | | 00 | 06 | 00 | 54 | | | | | | | | | 00 | 09 | 00 | 50 |
| 2064 N | 01 | 22 | 44 | W023.27 | | 00 | 54 | 01 | 04 | | | | | | | | | | | | |
| 2065 D | 02 | 16 | 24 | E 143.29 | | | | | | | | | | | | | | | | | |
| 2065 N | 03 | 09 | 58 | W050.09 | В | 02 | 42 | 03 | 40 | 02 | 43 | 03 | 40 | 02 | 43 | 03 | 40 | | | | |
| 2066 D | 04 | 03 | 38 | E 116.48 | В | 03 | 40 | 04 | 29 | | | | _ | 03 | 40 | 04 | 29 | 03 | 43 | 04 | 25 |
| 2066 N | 04 | 57 | 12 | W076.91 | В | 04 | 29 | 04 | 42 | 04 | 31 | 04 | 42 | 04 | 29 | 04 | 42 | | | | |
| 2066 N | 04 | 57 | 12 | W076.91 | В | 04 | 48 | 05 | 28 | 04 | 48 | 05 | 27 | 04 | 48 | 05 | 28 | | | | |
| 2067 D | 05 | 50 | 52 | E 089.70 | В | 05 | 28 | 06 | 16 | | | | | 05 | 28 | 06 | 16 | 05 | 30 | 06 | 12 |
| 2067 N | 06 | 44 | 27 | W103.72 | A/B | 06 | 16 | 07 | 15 | 06 | 18 | 07 | 15 | 06 | 16 | 07 | 15 | | | | |
| 2068 D | 07 | 38 | 06 | E 062.88 | Α | 07 | 15 | 08 | 03 | | | | | 07 | 15 | 08 | 02 | 07 | 17 | 07 | 56 |
| 2068 N | 08 | 31 | 41 | W130.51 | В | 08 | 03 | 09 | 02 | 08 | 09 | 09 | 02 | 08 | 09 | 09 | 02 | | | | |
| 2069 D | 09 | 25 | 20 | E 036.07 | В | 09 | 02 | 09 | 51 | | | | | 09 | 02 | 09 | 51 | 09 | 05 | 09 | 50 |
| 2069 N | 10 | 18 | 55 | W157.32 | Α | 09 | 51 | 10 | 49 | 09 | 55 | 10 | 49 | 09 | 55 | 10 | 49 | | | | |
| 2070 D | 11 | 12 | 34 | E 009.24 | Α | 10 | 49 | 11 | 38 | | | | | 10 | 49 | 11 | 38 | 10 | 52 | 11 | 33 |
| 2070 N | 12 | 06 | 09 | E 175.85 | В | 11 | 38 | 12 | 37 | 11 | 42 | 12 | 37 | 11 | 43 | 12 | 37 | | | | |
| 2071 D | 12 | 59 | 49 | W017.53 | В | 12 | 37 | 13 | 25 | | | | | 12 | 37 | 13 | 26 | 12 | 39 | 13 | 24 |
| 2071 N | 13 | 53 | 23 | E 149.04 | Α | 13 | 25 | 14 | 24 | 13 | 27 | 14 | 24 | 13 | 27 | 14 | 24 | | | | |
| 2072 D | 14 | 47 | 03 | W044.36 | Α | 14 | 24 | 15 | 11 | | | | | 14 | 24 | 15 | 11 | 14 | 26 | 15 | 11 |
| 2072 N | 15 | 40 | 37 | E 122.25 | В | 15 | 12 | 16 | 11 | 15 | 14 | 16 | 10 | 15 | 13 | 16 | 11 | | - | | |
| 2073 D | 16 | 34 | 17 | W071.17 | В | 16 | 11 | 16 | 59 | | | | | 16 | 11 | 16 | 54 | 16 | 14 | 16 | 55 |
| 2073 N | 17 | 27 | 51 | E 095.44 | Α | 16 | 59 | 17 | 58 | 17 | 01 | 17 | 58 | 16 | 59 | 17 | 58 | | | | 24 |
| 2074 D | 18 | 21 | 31 | W097.99 | A/B | 17 | 58 | 18 | 47 | | | | | 17 | 58 | 18 | 47 | 18 | 01 | 18 | 46 |
| 2074 N | 19 | 15 | 05 | E 068.62 | В | 18 | 47 | 19 | 45 | 18 | 49 | 19 | 45 | 18 | 47 | 19 | 45 | | | | |
| 2075 D | 20 | 80 | 45 | W124.80 | B/A | 19 | 45 | 20 | 34 | | | | | 19 | 45 | 20 | 34 | 19 | 48 | 20 | 33 |
| 2075 N | 21 | 02 | 20 | E 041.81 | Α | 20 | 34 | 21 | 33 | 20 | 36 | 21 | 33 | 20 | 34 | 21 | 33 | | 200 | | |
| 2076 D | 21 | 55 | 59 | W151.59 | Α | 21 | 33 | 22 | 10 | | | | | 21 | 33 | 22 | 10 | 21 | 35 | 22 | 06 |
| 2076 D | 21 | 55 | 59 | W151.59 | Α | 22 | 15 | 22 | 21 | | | | | 22 | 15 | 22 | 21 | | | 1 | |
| 2076 N | 22 | 49 | 34 | E 015.02 | Α | 22 | 21 | 23 | 20 | 22 | 23 | 23 | 20 | 22 | 21 | 23 | 20 | | | | |
| 2077 D | 23 | 43 | 13 | W178.40 | Α | 23 | 20 | 00 | 08 | | | | | 23 | 20 | 00 | 08 | 23 | 23 | 00 | 08 |
| 2077 N | 00 | 36 | 48 | W011.79 | B/A | 00 | 08 | 01 | 07 | 00 | 10 | 01 | 07 | 00 | 08 | 01 | 07 | | | | |
| | | | | | | | | | | | | | | | | | | | | | |

TABLE 2-2 SENSOR ON-OFF TIMES DATE 10 SEPTEMBER 1970

| DATA | ASCEND/DESCEND NODE | | | | UD DCC | IRIS | | | | тн | IR HI | IDIMU | TY | TE | TH | IIR RATU | RE | IDCS | | | |
|--------|------------------------|------|-----|----------|--------|------|-----|----|-----|----|-------|-------|-----|----|-----|-------------|-----|------|-----|----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | OF | F | 0 | N | 0 | FF | 0 | N | 0 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN |
| 2078 D | 01 | 30 | 27 | E 154.77 | В | 01 | 07 | 01 | 56 | | | | | 01 | 07 | 01 | 56 | 01 | 10 | 01 | 55 |
| 2078 N | 02 | 24 | 02 | W038.62 | В | 01 | 56 | 02 | 16 | 01 | 58 | 02 | 16 | 01 | 56 | 02 | 16 | | | | |
| 2079 D | 03 | 17 | 42 | E 127.96 | | | | | | | | | | | | | | | | | |
| 2079 N | 04 | 11 | 16 | W065.43 | | | | | | | | | | | | | | | | | |
| 2080 D | 05 | 04 | 56 | E 101.17 | | | | | | | | | | | | | | | | | |
| 2080 N | 05 | 58 | 30 | W092.25 | В | 05 | 49 | 06 | 29 | 05 | 49 | 06 | 29 | 05 | 51 | 06 | 29 | | | | |
| 2081 D | 06 | 52 | 10 | E 074.36 | В | 06 | 29 | 07 | 17 | | | | | 06 | 29 | 07 | 17 | 06 | 31 | 07 | 16 |
| 2081 N | 07 | 45 | 44 | W119.03 | A/B | 07 | 17 | 08 | 16 | 07 | 19 | 08 | 16 | 07 | 17 | 08 | 16 | | | | |
| 2082 D | 08 | 39 | 24 | E 047.54 | А | 08 | 16 | 09 | 04 | | | | | 08 | 16 | 09 | 04 | 08 | 19 | 09 | 04 |
| 2082 N | 09 | 32 | 58 | W145.85 | B/A | 09 | 04 | 10 | 03 | 09 | 10 | 10 | 03 | 09 | 04 | 10 | 03 | | | | |
| 2083 D | 10 | 26 | 38 | E 020.72 | В | 10 | 03 | 10 | 42 | | | | | 10 | 03 | 10 | 52 | 10 | 06 | 10 | 51 |
| 2083 N | 11 | 20 | 13 | W172.66 | Α | 10 | 55 | 11 | 50 | 10 | 56 | 11 | 50 | 10 | 54 | 11 | 50 | | | | |
| 2084 D | 12 | 13 | 52 | W006.06 | Α | 11 | 50 | 12 | 39 | | | | | 11 | 50 | 12 | 39 | 11 | 53 | 12 | 35 |
| 2084 N | 13 | 07 | 27 | E 160.51 | В | 12 | 39 | 13 | 38 | 12 | 42 | 13 | 38 | 12 | 43 | 13 | 38 | | | | |
| 2085 D | 14 | 01 | 06 | W032.88 | В | 13 | 38 | 14 | 26 | | | | | 13 | 38 | 14 | 26 | 13 | 40 | 14 | 25 |
| 2085 N | 14 | 54 | 41 | E 133.74 | В | 14 | 32 | 15 | 25 | 14 | 32 | 15 | 25 | 14 | 32 | 15 | 25 | | | | |
| 2086 D | 15 | 48 | 20 | W059.70 | В | 15 | 25 | 16 | 11 | | | | | 15 | 25 | 16 | 11 | 15 | 28 | 16 | 09 |
| 2086 N | 16 | 41 | 55 | E 106.91 | В | 16 | 16 | 17 | 12 | 16 | 17 | 17 | 12 | 16 | 17 | 17 | 12 | | | | |
| 2087 D | 17 | 35 | 35 | W086.51 | B/A | 17 | 12 | 18 | 01 | | | | | 17 | 12 | 18 | 01 | 17 | 15 | 17 | 49 |
| 2087 N | 18 | 29 | 09 | E 080.10 | Α | 18 | 01 | 18 | 59 | 18 | 03 | 18 | 59 | 18 | 01 | 18 | 59 | | | | |
| 2088 D | 19 | 22 | 49 | W113.30 | A/B | 18 | 59 | 19 | 48 | | | | | 18 | 59 | 19 | 48 | 19 | 02 | 19 | 33 |
| 2088 N | 20 | 16 | 23 | E 053.28 | В | 19 | 48 | 10 | 47 | 19 | 50 | 20 | 47 | 19 | 48 | 20 | 47 | | | | |
| 2089 D | 21 | 10 | 03 | W140.11 | B/A | 20 | 47 | 21 | 35 | | | | | 20 | 47 | 21 | 35 | 20 | 49 | 21 | 34 |
| 2089 N | 22 | 03 | 37 | E 026.50 | А | 21 | 35 | 22 | 34 | 21 | 37 | 22 | 34 | 21 | 35 | 22 | 34 | | | | |
| 2090 D | 22 | 57 | 17 | W166.94 | Α | 22 | 34 | 23 | 12 | | | | | 22 | 34 | 23 | 12 | 22 | 37 | 23 | 11 |
| 2090 N | 23 | 50 | 52 | W000.32 | Α | 00 | 13 | 00 | 21 | | | | | 00 | 14 | 00 | 21 | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 11 SEPTEMBER 1970

| DATA ORBIT HF 2091 D 00 2091 N 01 2092 D 02 | 44 | SEC 31 | LONG DEG | HDRSS | 0 | N | OF | - | | | | | | | | | | | _ | |
|--|----|-----------|-------------|-------|----------|----------|----------|----------|----|-----|------|-----|----|-----|----|-----|----|-----|-----|-----|
| 2091 D 00 2091 N 01 | 44 | | | | | | 0. | F | 0 | N | 0 F | F | 0 | N . | 01 | FF | 0 | N | U | FF |
| 2091 N 01 | 38 | 31 | | | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN |
| | | 1 | E 166.25 | Α | 00 | 21 | 01 | 10 | | | | | 00 | 21 | 01 | 10 | 00 | 24 | 01 | 09 |
| 2092 D 02 | 31 | 06 | W027.13 | Α | 01 | 10 | 01 | 20 | | | | | 01 | 10 | 01 | 20 | | | | |
| | | 45 | E 139.43 | | | | | | | | | | | | | | | | | |
| 2092 N 03 | 25 | 20 | W053.96 | В | 02 | 59 | 03 | 56 | 03 | 00 | 03 | 56 | 03 | 00 | 03 | 56 | | | | |
| 2093 D 04 | 18 | 59 | E 112.65 | В | 03 | 56 | 04 | 44 | | | | | 03 | 56 | 04 | 44 | 03 | 58 | 04 | 43 |
| 2093 N 05 | 12 | 34 | W080.77 | В | 04 | 44 | 05 | 00 | 04 | 46 | 05 | 00 | 04 | 44 | 05 | 00 | | | | |
| 2093 N 05 | 12 | 34 | W080.77 | В | 05 | 06 | 05 | 43 | 05 | 07 | 05 | 43 | 05 | 07 | 05 | 43 | | | 141 | 9 |
| 2094 D 06 | 06 | 13 | E085.83 | В | 05 | 43 | 06 | 31 | | | | | 05 | 43 | 06 | 31 | 05 | 45 | 06 | 30 |
| 2094 N 06 | 59 | 48 | W107.56 | A/B | 06 | 31 | 06 | 44 | 06 | 33 | 07 | 30 | 06 | 31 | 07 | 30 | | | | |
| 2095 D 07 | 53 | 27 | E 059.02 | Α | 08 | 11 | 08 | 18 | | | | | 07 | 30 | 08 | 18 | 07 | 33 | 08 | 18 |
| 2095 N 08 | 47 | 02 | W134.37 | B/A | 08 08 | 18 34 | 08 09 | 24 17 | 08 | 25 | 09 | 17 | 08 | 18 | 09 | 17 | | | | |
| 2096 D 09 | 40 | 42 | E 032.19 | В | 09 | 17 | 10 | 06 | | | | | 09 | 17 | 10 | 06 | 09 | 20 | 10 | 05 |
| 2096 N 10 | 34 | 16 | W161.18 | Α | 10 10 | 06 49 | 10 11 | 10 04 | 10 | 11 | 11 | 05 | 10 | 11 | 11 | 04 | | | | |
| 2097 D 11 | 27 | 56 | E 005.42 | Α | 11 | 04 | 11 | 53 | | | | | 11 | 04 | 11 | 53 | 11 | 07 | 11 | 52 |
| 2097 N 12 | 21 | 30 | E 171.99 | В | 11 | 53 | 12 | 52 | 11 | 57 | 12 | 51 | 11 | 57 | 12 | 52 | | | | |
| 2098 D 13 | 15 | 10 | W021.39 | В | 12 | 52 | 13 | 40 | | | | | 12 | 52 | 13 | 41 | 12 | 54 | 13 | 39 |
| 2098 N 14 | 08 | 45 | E 145.22 | Α | 13 | 40 | 14 | 39 | 13 | 43 | . 14 | 39 | 13 | 43 | 14 | 39 | | | | |
| 2099 D 15 | 02 | 24 | W048.22 | Α | 14 | 39 | 15 | 27 | | | | , | 14 | 39 | 15 | 25 | 14 | 41 | 15 | 23 |
| 2099 N 15 | 55 | 59 | E 118.39 | В | 15 | 27 | 16 | 26 | 15 | 29 | 16 | 26 | 15 | 27 | 16 | 26 | | | | |
| 2100 D 16 | 49 | 38 | W075.03 | B/A | 16 | 26 | 17 | 15 | | | | | 16 | 26 | 17 | 15 | 16 | 29 | 17 | 07 |
| 2100 N 17 | 43 | 13 | E 091.58 | Α | 17 | 15 | 18 | 13 | 17 | 17 | 18 | 13 | 17 | 15 | 18 | 13 | | | | |
| 2101 D 18 | 36 | 52 | W101.82 | A/B | 18 | 13 | 19 | 02 | | | | | 18 | 13 | 19 | 02 | 18 | 16 | 18 | 51 |
| 2101 N 19 | 30 | 27 | E 064.76 | В | 19 | 02 | 20 | 01 | 19 | 04 | 20 | 01 | 19 | 02 | 20 | 01 | | | | |
| 2102 D 20 | 24 | 06 | W128.63 | B/A | 20 | 01 | 20 | 49 | | | | | 20 | 01 | 20 | 49 | 20 | 03 | 20 | 38 |
| 2102 N 21 | 17 | 41 | E 037.98 | Α | 20 | 49 | 21 | 48 | 20 | 51 | 21 | 48 | 20 | 49 | 21 | 48 | | | | |
| 2103 D 22 | 11 | 20 | W155.46 | Α | 21 | 48 | 22 | 24 | | | | | 21 | 48 | 22 | 24 | 21 | 50 | 22 | 25 |
| 2103 D 22 | 11 | 20 | W155.46 | Α | 22 | 30 | 22 | 36 | | | | | 22 | 31 | 22 | 36 | | | | |
| 2103 N 23 | 04 | 55 | E 011.16 | Α | 22 | 36 | 23 | 35 | 22 | 38 | 23 | 35 | 22 | 36 | 23 | 35 | | | | |
| 2104 D 23 | 58 | 35 | E 177.73 | Α | 23 | 35 | 00 | 23 | | | | | 23 | 35 | 00 | 23 | 23 | 38 | 00 | 23 |
| 2104 N 00 | 52 | 09 | W015.65 | B/A | 00 | 23 | 01 | 22 | 00 | 26 | 01 | 22 | 00 | 23 | 01 | 22 | | | | |
| | | | | | | | | | | | | | | | | | | | | |

TABLE 2-2 SENSOR ON-OFF TIMES DATE 12 SEPTEMBER 1970

| DATA | A | SCEND | /DESC | END | uppec | | IR | IS | | ТН | IR HL | MIDI | TY | TE | TH MPE F | IIR | RE | | ID | cs | |
|--------|----|-------|-------|----------|-------|----------|----------|----------|----------|----|-------|------|-----|----|-------------|-----|-----|----|-----|----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | OF | F | 0 | N | 0 | FF | 0 | N | 0 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN |
| 2105 D | 01 | 45 | 49 | E 150.95 | В | 01 | 22 | 02 | 11 | | | | | 01 | 22 | 02 | 11 | 01 | 25 | 02 | 10 |
| 2105 N | 02 | 39 | 23 | W042.48 | В | 02 | 11 | 02 | 31 | 02 | 13 | 02 | 31 | 02 | 11 | 02 | 31 | | | | |
| 2106 D | 03 | 33 | 03 | E 124.13 | | | | | | | | | | | | | | | | | |
| 2106 N | 04 | 26 | 38 | W069.29 | В | 04 | 19 | 04 | 57 | 04 | 20 | 04 | 57 | 04 | 20 | 04 | 57 | | | | |
| 2107 D | 05 | 20 | 17 | E 097.31 | В | 04 | 57 | 05 | 45 | | | | | 04 | 57 | 05 | 45 | 04 | 59 | 05 | 44 |
| 2107 N | 06 | 13 | 52 | W096.08 | В | 05 | 45 | 05 | 56 | 05 | 47 | 05 | 56 | 05 | 45 | 05 | 57 | | | | |
| 2107 N | 06 | 13 | 52 | W096.08 | В | 06 | 02 | 06 | 44 | 06 | 03 | 06 | 44 | 06 | 03 | 06 | 44 | | | | |
| 2108 D | 07 | 07 | 31 | E 070.50 | В | 06 | 44 | 07 | 32 | | | | | 06 | 44 | 07 | 32 | 06 | 47 | 07 | 32 |
| 2108 N | 08 | 01 | 06 | W122.89 | A/B | 07 | 32 | 07 | 50 | 07 | 35 | 08 | 31 | 07 | 32 | 08 | 31 | | | | |
| 2109 D | 08 | 54 | 45 | E 043.67 | А | 08 | 56 | 09 | 20 | | | | | 08 | 31 | 09 | 20 | 08 | 34 | 09 | 20 |
| 2109 N | 09 | 48 | 20 | W149.71 | А | 09 09 | 20 30 | 09 10 | 25 18 | 09 | 30 | 10 | 19 | 09 | 31 | 10 | 18 | | | | |
| 2110 D | 10 | 41 | 59 | E 016.90 | А | 10 | 18 | 11 | 07 | | | | | 10 | 18 | 11 | 07 | 10 | 21 | 11 | 03 |
| 2110 N | 11 | 35 | 34 | W176.52 | В | 11 | 07 | 12 | 06 | 11 | 12 | 12 | 06 | 11 | 12 | 12 | 06 | | | | |
| 2111 D | 12 | 29 | 13 | W009.93 | В | 12 | 06 | 12 | 54 | | | | | 12 | 06 | 12 | 54 | 12 | 08 | 12 | 46 |
| 2111 N | 13 | 22 | 48 | E 156.69 | А | 12 | 54 | 13 | 53 | 12 | 57 | 13 | 53 | 12 | 58 | 13 | 53 | | | | |
| 2112 D | 14 | 16 | 28 | W036.74 | Α | 13 | 53 | 14 | 41 | | | | | 13 | 53 | 14 | 41 | 13 | 55 | 14 | 37 |
| 2112 N | 15 | 10 | 02 | E 129.88 | В | 14 | 42 | 15 | 40 | 14 | 43 | 15 | 40 | 14 | 42 | 15 | 40 | | | | |
| 2113 D | 16 | 03 | 42 | W063.56 | В | 15 | 40 | 16 | 29 | | | | | 15 | 40 | 16 | 24 | 15 | 43 | 16 | 24 |
| 2113 N | 16 | 57 | 16 | E 103.05 | Α | 16 | 29 | 17 | 27 | 16 | 31 | 17 | 28 | 16 | 29 | 17 | 27 | | | | |
| 2114 D | 17 | 50 | 56 | W090.34 | Α | 17 | 27 | 18 | 16 | | | | | 17 | 27 | 18 | 13 | 17 | 30 | 18 | 12 |
| 2114 N | 18 | 44 | 31 | E 076.24 | . В | 18 | 16 | 19 | 15 | 18 | 18 | 19 | 15 | 18 | 16 | 19 | 15 | | | | |
| 2115 D | 19 | 38 | 10 | W117.16 | B/A | 19 | 15 | 19 | 54 | | | | | 19 | 15 | 20 | 03 | 19 | 17 | 20 | 02 |
| 2115 N | 20 | 31 | 45 | E 049.45 | Α | 20 | 41 | 21 | 02 | 20 | 05 | 21 | 02 | 20 | 03 | 21 | 02 | | | | |
| 2116 D | 21 | 25 | 24 | W143.97 | A/B | 21 | 02 | 21 | 50 | | | | | 21 | 02 | 21 | 50 | 21 | 04 | 21 | 39 |
| 2116 N | 22 | 18 | 59 | E 022.64 | В | 21 | 50 | 22 | 49 | 21 | 52 | 22 | 49 | 21 | 50 | 22 | 49 | , | | | |
| 2117 D | 23 | 12 | 38 | W170.80 | В | 22 | 49 | 23 | 28 | | | | | 22 | 49 | 23 | 28 | 22 | 52 | 23 | 26 |
| 2117 N | 00 | 06 | 13 | W004.18 | | | | | | | | | | | | | | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 13 SEPTEMBER 1970

| DATA | A | SCEND | /DESC | END | UDDCC | | IR | IS | | ТНІ | RHU | MIDI. | TY | TE | TH | IR ATUF | RE | | ID | cs | |
|---------|----|----------|----------|----------|-------|----------|----------|----------|----------|-----|-----|----------|-----|----|-----|------------|-----|-----|-----|-----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | 0 F | F | 01 | V | 01 | F | 0 | N | 01 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | NIN | HRI | MIN | HRI | MIN | HR | MIN |
| 2118 D | 00 | 59 | 52 | E 162.43 | | | | | | | | | | | | | | | | | |
| 2118 N | 01 | 53 | 27 | W030.99 | Α | 01 | 24 | 02 | 23 | 01 | 27 | 02 | 23 | 01 | 25 | 02 | 23 | | | | |
| 21 19 D | 02 | 47 | 06 | E 135.60 | Α | 02 | 23 | 03 | 12 | | | | | 02 | 23 | 03 | 12 | 02 | 26 | 03 | 08 |
| 2119 N | 03 | 40 | 41 | W057.78 | Α | 03 | 12 | 03 | 27 | 03 | 14 | 03 | 25 | 03 | 12 | 03 | 27 | | | | |
| 2119 N | 03 | 40 | 41 | W057.78 | В | 03 | 37 | 04 | 11 | 03 | 38 | 04 | 11 | 03 | 38 | 04 | 11 | | | | |
| 2120 D | 04 | 34 | 21 | E 108.79 | В | 04 | 11 | 04 | 59 | | | | | 04 | 11 | 04 | 59 | 04 | 13 | 04 | 58 |
| 2120 N | 05 | 27 | 55 | W084.59 | A/B | 04 | 59 | 05 | 58 | 05 | 01 | 05 | 56 | 04 | 59 | 05 | 58 | | | | |
| 2121 D | 06 | 21 | 35 | E 081.97 | Α | 05 | 58 | 06 | 46 | | | | | 05 | 58 | 06 | 46 | 06 | 00 | 06 | 46 |
| 2121 N | 07 | 15 | 10 | W111.42 | Α | 06 07 | 46 06 | 07 07 | 01 45 | 06 | 46 | 07 | 01 | 06 | 46 | 07 | 01 | | | | |
| 2122 D | 08 | 08 | 49 | E 055.15 | Α | 07 | 45 | 08 | 34 | | | | | 07 | 57 | 08 | 34 | 07 | 58 | 08 | 28 |
| 2122 N | 09 | 02 | 24 | W138.23 | B/A | 08 | 34 | 09 | 32 | 08 | 42 | 09 | 31 | 08 | 34 | 09 | 32 | | | | |
| 2123 D | 09 | 56 | 03 | E 028.37 | В. | 09 | 32 | 10 | 21 | | | | | 09 | 32 | 10 | 21 | 09 | 35 | 10 | 20 |
| 2123 N | 10 | 49 | 38 | W165.05 | A/B | 10 | 21 | 11 | 20 | 10 | 26 | 11 | 19 | 10 | 21 | 11 | 20 | | | | |
| 2124 D | 11 | 43 | 17 | E 001.55 | Α | 11 | 20 | 12 | 08 | | | | | 11 | 20 | 12 | 08 | 11 | 22 | 12 | 07 |
| 2124 N | 12 | 36 | 52 | E 168.17 | В | 12 | 08 | 13 | 07 | 12 | 12 | 13 | 06 | 12 | 16 | 13 | 07 | | | | |
| 2125 D | 13 | 30 | 31 | W025.27 | В | 13 | 07 | 13 | 55 | | | | | 13 | 07 | 13 | 56 | 13 | 09 | 13 | 54 |
| 2125 N | 14 | 24 | 06 | E 141.35 | Α | 13 | 55 | 14 | 54 | 13 | 57 | 14 | 53 | 13 | 57 | 14 | 54 | | | | |
| 2126 D | 15 | 17 | 45 | W052.08 | Α | 14 | 54 | 15 | 42 | | | | | 14 | 54 | 15 | 40 | 14 | 57 | 15 | 38 |
| 2126 N | 16 | 11 | 20 | E 114.54 | В | 15 | 42 | 16 | 41 | 15 | 42 | 16 | 40 | 15 | 43 | 16 | 41 | | | 357 | |
| 2127 D | 17 | 04 | 59 | W078.87 | B/A | 16 | 41 | 17 | 30 | | | | | 16 | 41 | 17 | 30 | 16 | 44 | 17 | 22 |
| 2127 N | 17 | 58 | 34 | E 087.71 | Α | 17 | 30 | 18 | 28 | 17 | 29 | 18 | 27 | 17 | 30 | 18 | 29 | | | | |
| 2128 D | 18 | 52 | 13 | W105.68 | A/B | 18 | 28 | 19 | 17 | | | | | 18 | 29 | 19 | 17 | 18 | 31 | 19 | 16 |
| 2128 N | 19 | 45 | 48 | E 060.94 | В | 19 | 17 | 20 | 16 | 19 | 17 | 20 | 15 | 19 | 17 | 20 | 16 | | | | |
| 2129 D | 20 | 39 | 28 | W132.49 | В | 20 | 16 | 21 | 04 | | | | | 20 | 16 | 21 | 04 | 20 | 18 | 21 | 03 |
| 2129 N | 21 | 33 | 03 | E 034.11 | Α | 21 | 04 | 22 | 03 | 21 | 04 | 22 | 02 | 21 | 04 | 22 | 03 | | | | |
| 2130 D | 22 | 26 | 42 | W159.32 | Α | 22 22 | 03 46 | 22 22 | 40 51 | | | | | 22 | 03 | 22 | 40 | 22 | 05 | 22 | 40 |
| 2130 N | 23 | 20 | 17 | E 007.30 | Α | | 51 | | 50 | | 51 | 23 | 49 | 22 | 51 | 23 | 50 | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | <u> </u> | 1 | | | _ | | | | | | _ | | _ | | - | | _ | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 14 SEPTEMBER 1970

| DATA | A | SCEND | /DESC | END | UD DCC | | IR | IS | | ТН | IR HL | JMIDI | TY | TE | | IIR RATUI | RE | | ID | cs | |
|--------|----|-------|-------|----------|--------|----|-----|----|-----|----|-------|-------|-----|----|-----|--------------|-----|----|-----|----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | 01 | F | 0 | N | 0 | FF | 0 | N | 0 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN |
| 2131 D | 00 | 13 | 56 | E 173.91 | Α | 23 | 50 | 00 | 39 | | | | | 23 | 50 | 00 | 39 | 23 | 53 | 00 | 38 |
| 2131 N | 01 | 07 | 31 | W019.52 | B/A | 00 | 39 | 01 | 37 | 00 | 38 | 01 | 36 | 00 | 39 | 01 | 37 | | | | |
| 2132 D | 02 | 01 | 10 | E 147.08 | В | 01 | 37 | 02 | 26 | | | | | 01 | 37 | 02 | 26 | 01 | 40 | 02 | 22 |
| 2132 N | 02 | 54 | 45 | W046.30 | В | 02 | 26 | 02 | 47 | 02 | 26 | 02 | 46 | 02 | 26 | 02 | 46 | | | | |
| 2133 D | 03 | 48 | 24 | E 120.27 | | | | | | | | | | | | | | | | | |
| 2133 N | 04 | 41 | 59 | W073.11 | В | 04 | 35 | 05 | 12 | 04 | 36 | 05 | 11 | 04 | 36 | 05 | 12 | | | | |
| 2134 D | 05 | 35 | 38 | E 093.45 | | 05 | 12 | 06 | 00 | | | | | 05 | 12 | 06 | 00 | 05 | 14 | 05 | 56 |
| 2134 N | 06 | 29 | 13 | W099.94 | В | 06 | 00 | 06 | 13 | 06 | 00 | 06 | 13 | 06 | 00 | 06 | 13 | | | | |
| 2134 N | 06 | 29 | 13 | W099.94 | В | 06 | 18 | 06 | 59 | 06 | 19 | 06 | 58 | 06 | 19 | 06 | 59 | | | | |
| 2135 D | 07 | 22 | 52 | E 066.67 | В | 06 | 59 | 07 | 48 | | | - | | 06 | 59 | 07 | 48 | 07 | 01 | 07 | 43 |
| 2135 N | 08 | 16 | 27 | W126.75 | A/B | 07 | 48 | 08 | 46 | 07 | 55 | 08 | 44 | 07 | 48 | 08 | 46 | | | | |
| 2136 D | 09 | 10 | 06 | E 039.85 | А | 08 | 46 | 09 | 35 | | | | | 08 | 46 | 09 | 35 | 08 | 49 | 09 | 30 |
| 2136 N | 10 | 03 | 41 | W153.57 | В | 09 | 35 | 10 | 34 | 09 | 41 | 10 | 33 | 09 | 41 | 10 | 34 | | | | |
| 2137 D | 10 | 57 | 21 | E 013.04 | В | 10 | 34 | 11 | 22 | | | | | 10 | 34 | 11 | 22 | 10 | 36 | 11 | 21 |
| 2137 N | 11 | 50 | 56 | E 179.65 | A/B | 11 | 22 | 12 | 21 | 11 | 27 | 12 | 20 | 11 | 22 | 12 | 21 | | | | |
| 2138 D | 12 | 44 | 35 | W013.79 | А | 12 | 21 | 13 | 09 | | | | | 12 | 21 | 13 | 09 | 12 | 23 | 13 | 05 |
| 2138 N | 13 | 38 | 10 | E 152.83 | В | 13 | 09 | 14 | 08 | 13 | 12 | 14 | 07 | 13 | 12 | 14 | 08 | | | | |
| 2139 D | 14 | 31 | 49 | W040.60 | В | 14 | 08 | 14 | 56 | | | | | 14 | 08 | 14 | 57 | 14 | 11 | 14 | 56 |
| 2139 N | 15 | 25 | 24 | E 126.02 | А | 14 | 57 | 15 | 55 | 14 | 58 | 15 | 54 | 14 | 58 | 15 | 55 | | | | |
| 2140 D | 16 | 19 | 03 | W067.39 | А | 15 | 55 | 16 | 44 | | | | | 15 | 55 | 16 | 40 | 15 | 58 | 16 | 39 |
| 2140 N | 17 | 12 | 38 | E 099.19 | В | 16 | 44 | 17 | 42 | 16 | 43 | 17 | 41 | 16 | 44 | 17 | 42 | | | | |
| 2141 D | 18 | 06 | 17 | W094.20 | B/A | 17 | 42 | 18 | 31 | | | | | 17 | 42 | 18 | 31 | 17 | 45 | 18 | 23 |
| 2141 N | 18 | 59 | 52 | E 072.42 | Α | 18 | 31 | 19 | 30 | 18 | 31 | 19 | 29 | 18 | 31 | 19 | 30 | | | | |
| 2142 D | 19 | 53 | 31 | W121.02 | A/B | 19 | 30 | 20 | 18 | | | | | 19 | 30 | 20 | 18 | 19 | 32 | 20 | 17 |
| 2142 N | 20 | 47 | 06 | E 045.59 | В | 20 | 18 | 21 | 17 | 20 | 18 | 21 | 16 | 20 | 18 | 21 | 17 | | | | |
| 2143 D | 21 | 40 | 45 | W147.84 | В | 21 | 17 | 21 | 53 | | | | | 21 | 17 | 21 | 54 | 21 | 20 | 21 | 54 |
| 2143 N | 22 | 34 | 9 | E 018.78 | | | | | | | | | | | | | | | | | |
| 2144 D | 23 | 27 | 59 | W174.62 | | 23 | 48 | 23 | 53 | | | | | | | | | | | | |
| 2144 N | 00 | 21 | 34 | W008.04 | Α | 23 | 53 | 00 | 51 | 23 | 52 | 00 | 50 | 23 | 53 | 00 | 51 | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 15 SEPTEMBER 1970

| DATA | A | SCEND | /DESC | END | | | IR | IS | | ТНІ | R HL | IMIDI | ΤY | TEI | TH MPER | IR ATUF | RE | | ID | cs | |
|--------|----|-------|-------|----------|-------|-----|-----|----------|-----|-----|------|-------|-----|-----|------------|------------|-----|----|-----|-----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | OF | F | 01 | V | OF | F | 01 | N | 01 | FF |
| | HR | MIN | SEC | DEG | | HRI | MIN | HR | MIN | HRI | MIN | HR | MIN | HRI | MIN | HRI | MIN | HR | MIN | HRI | VIN |
| 2145 D | 01 | 15 | 14 | E 158.58 | Α | 00 | 51 | 01 | 40 | | | | | 00 | 51 | 01 | 40 | 00 | 54 | 01 | 36 |
| 2145 N | 02 | 08 | 49 | W034.81 | Α | 01 | 40 | 01 | 50 | | | | | 01 | 40 | 01 | 50 | | | | |
| 2146 D | 03 | 02 | 28 | E 131.75 | | | | | , | | | | | | | | | | | | |
| 2146 N | 03 | 56 | 03 | W061.63 | В | 03 | 30 | 04 | 26 | 03 | 31 | 04 | 25 | 03 | 31 | 04 | 26 | | | | |
| 2147 D | 04 | 49 | 42 | E 104.94 | В | 04 | 26 | 05 | 14 | | | | | 04 | 26 | 05 | 14 | 04 | 28 | 05 | 10 |
| 2147 N | 05 | 43 | 17 | W088.44 | В | 05 | 14 | 06 | 13 | 05 | 14 | 05 | 26 | 05 | 14 | 05 | 28 | | | | |
| 2147 N | 05 | 43 | 17 | W088.44 | Α | | | | | 05 | 34 | 06 | 12 | 05 | 34 | 06 | 13 | | | . 0 | - 5 |
| 2148 D | 06 | 36 | 56 | E 078.15 | Α | 06 | 13 | 07 | 02 | | | | | 06 | 13 | 07 | 02 | 06 | 16 | 07 | 01 |
| 2148 N | 07 | 30 | 31 | W115.27 | Α | 07 | 02 | 07 | 15 | 07 | 01 | 07 | 14 | 07 | 02 | 07 | 15 | | | | |
| 2148 N | 07 | 30 | 31 | W115.27 | Α | 07 | 20 | 08 | 00 | 07 | 21 | 07 | 59 | 07 | 21 | 08 | 00 | | | | |
| 2149 D | 08 | 24 | 10 | E 051.34 | Α | 08 | 00 | .08 | 49 | | | | | 08 | 00 | 08 | 49 | 08 | 03 | 08 | 48 |
| 2149 N | 09 | 17 | 45 | W142.08 | B/A | 08 | 49 | 09 | 48 | 08 | 57 | 09 | 47 | 08 | 49 | 09 | 48 | | | | |
| 2150 D | 10 | 11 | 24 | E 024.52 | В | 09 | 48 | 10 | 36 | | - | | | 09 | 48 | 10 | 36 | 09 | 50 | 10 | 32 |
| 2150 N | 11 | 04 | 59 | W168.87 | Α | 10 | 36 | 11 | 35 | 10 | 41 | 11 | 32 | 10 | 41 | 11 | 35 | | | | |
| 2151 D | 11 | 58 | 38 | W002.30 | Α | 11 | 35 | 12 | 23 | | | | | 11 | 35 | 12 | 23 | 11 | 37 | 12 | 22 |
| 2151 N | 12 | 52 | 13 | E 164.32 | В | 12 | 23 | 13 | 22 | 12 | 27 | 13 | 21 | 12 | 27 | 13 | 22 | | | | |
| 2152 D | 13 | 45 | 52 | W029.08 | В | 13 | 22 | 14 | 10 | | | | | 13 | 22 | 14 | 10 | 13 | 25 | 14 | 06 |
| 2152 N | 14 | 39 | 27 | E 137.50 | А | 14 | 10 | 15 | 09 | 14 | 13 | 15 | 08 | 14 | 12 | 14 | 57 | | | | |
| 2153 D | 15 | 33 | 06 | W055.90 | A | 15 | 09 | 15 | 58 | | | | | | | | | 15 | 12 | 15 | 53 |
| 2153 N | 16 | 26 | 42 | E 110.69 | В | 15 | 58 | 16 | 56 | 15 | 57 | 16 | 55 | 15 | 58 | 16 | 56 | | | | |
| 2154 D | 17 | 20 | 21 | W082.72 | B/A | 16 | 56 | 17 | 45 | | | | | 16 | 56 | 17 | 45 | 16 | 59 | 17 | 37 |
| 2154 N | 18 | 13 | 56 | E 083.90 | A | 17 | 45 | 18 | 44 | 17 | 45 | 18 | 43 | 17 | 45 | 18 | 44 | | | | |
| 2155 D | 19 | 07 | 35 | W109.53 | A/B | 18 | 44 | 19 | 32 | | | | - | 18 | 44 | 19 | 32 | 18 | 46 | 19 | 31 |
| 2155 N | 20 | 01 | 10 | E 057.09 | В | 19 | 32 | 20 | 31 | 19 | 32 | 20 | 30 | 19 | 32 | 20 | 31 | | | | |
| 2156 D | 20 | 54 | 49 | W136.36 | B/A | 20 | 31 | 21 | 19 | | | | | 20 | 31 | 21 | 19 | 20 | 35 | 21 | 19 |
| 2156 N | 21 | 48 | 24 | E 030.26 | Α | 21 | 19 | 22 | 18 | 21 | 19 | 22 | 17 | 21 | 19 | 22 | 18 | | | | |
| 2157 D | 22 | 42 | 1 | W163.13 | Α | 22 | 18 | 22 | 56 | | | | | 22 | 18 | 22 | 56 | 22 | 21 | 22 | 55 |
| 2157 N | 23 | 35 | 38 | E 003.45 | Α | 23 | 07 | 00 | 05 | 23 | 06 | 00 | 04 | 23 | 07 | 00 | 05 | | | | |
| 2 22 2 | | | | | | | | | | | | | | | | | | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 16 SEPTEMBER 1970

| DATA | A | SCEND | /DESC | END | uppec. | | IR | IS | | тн | IR HU | JMIDI | TY | TE | | IR RATUI | RE | | ID | cs | |
|--------|-----|-------|-------|----------|--------|----|-----|----|-----|----|-------|-------|-----|----|-----|-------------|-----|----|-----|----|-----|
| ORBIT | - 1 | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | OF | F | 0 | N | 0 | FF | 0 | N | 0 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN |
| 2158 D | 00 | 29 | 17 | E 170.04 | А | 00 | 05 | 00 | 54 | | | | | 00 | 05 | 00 | 54 | 00 | 08 | 00 | 53 |
| 2158 N | 01 | 22 | 52 | W023.34 | B/A | 00 | 54 | 01 | 53 | 00 | 54 | 01 | 52 | 00 | 54 | 01 | 53 | | | | |
| 2159 D | 02 | 16 | 31 | E 143.23 | В | 01 | 53 | 02 | 41 | | | | | 01 | 53 | 02 | 41 | 01 | 55 | 02 | 40 |
| 2159 N | 03 | 10 | 06 | W050.15 | В | 02 | 41 | 03 | 01 | 02 | 41 | 03 | 02 | 02 | 41 | 03 | 02 | | | | |
| 2160 D | 04 | 03 | 45 | E 116.42 | | | | | | | | | | | | | | | | | |
| 2160 N | 04 | 57 | 20 | W076.97 | В | 04 | 49 | 05 | 27 | 04 | 50 | 05 | 26 | 04 | 50 | 05 | 27 | | | | |
| 2161 D | 05 | 50 | 59 | E 089.63 | В | 05 | 27 | 06 | 15 | | | | | 05 | 27 | 06 | 15 | 05 | 30 | 06 | 15 |
| 2161 N | 06 | 44 | 35 | W103.79 | A/B | 06 | 15 | 07 | 14 | 06 | 15 | 07 | 13 | 06 | 15 | 07 | 14 | | | | |
| 2162 D | 07 | 38 | 14 | E 062.82 | А | 07 | 14 | 08 | 03 | | | | | 07 | 14 | 08 | 03 | 07 | 17 | 08 | 02 |
| 2162 N | 08 | 31 | 49 | W130.57 | B/A | 08 | 03 | 09 | 01 | 08 | 11 | 09 | 00 | 80 | 03 | 09 | 01 | | | | |
| 2163 D | 09 | 25 | 28 | E 036.00 | В | 09 | 01 | 09 | 50 | | | | | 09 | 01 | 09 | 50 | 09 | 04 | 09 | 49 |
| 2163 N | 10 | 19 | 03 | W157.38 | A/B | 09 | 50 | 10 | 49 | 09 | 56 | 10 | 48 | 09 | 50 | 10 | 49 | | | - | |
| 2164 D | 11 | 12 | 42 | E 009.19 | А | 10 | 49 | 11 | 37 | | | | | 10 | 49 | 11 | 37 | 10 | 51 | 11 | 36 |
| 2164 N | 12 | 06 | 17 | E 175.79 | B/A | 11 | 37 | 12 | 36 | 11 | 42 | 12 | 35 | 11 | 37 | 12 | 36 | | | | |
| 2165 D | 12 | 59 | 56 | W017.60 | В | 12 | 36 | 13 | 24 | | | | | 12 | 36 | 13 | 24 | 12 | 38 | 13 | 24 |
| 2165 N | 13 | 53 | 31 | E 148.98 | А | 13 | 24 | 14 | 23 | 13 | 27 | 14 | 22 | 13 | 28 | 14 | 23 | | | | |
| 2166 D | 14 | 47 | 10 | W044.41 | А | 14 | 23 | 15 | 12 | | | | | 14 | 23 | 15 | 11 | 14 | 26 | 15 | 11 |
| 2166 N | 15 | 40 | 45 | E 122.15 | В | 15 | 12 | 16 | 10 | 15 | 12 | 16 | 09 | 15 | 26 | 16 | 10 | | | | |
| 2167 D | 16 | 34 | 24 | W071.24 | В | 16 | 10 | 16 | 59 | | | | | 16 | 10 | 16 | 54 | 16 | 13 | 16 | 55 |
| 2167 N | 17 | 27 | 59 | E 095.38 | А | 16 | 59 | 17 | 58 | 16 | 59 | 17 | 57 | 16 | 59 | 17 | 58 | | | | |
| 2168 D | 18 | 21 | 38 | W098.05 | A/B | 17 | 58 | 18 | 38 | | | | | 17 | 58 | 18 | 46 | 18 | 00 | 18 | 35 |
| 2168 N | 19 | 15 | 13 | E 068.57 | В | 19 | 33 | 19 | 45 | 18 | 46 | 19 | 44 | 18 | 46 | 19 | 45 | | | | |
| 2169 D | 20 | 08 | 52 | W124.84 | B/A | 19 | 45 | 20 | 33 | | | | | 19 | 45 | 20 | 33 | 19 | 47 | 20 | 32 |
| 2169 N | 21 | 02 | 28 | E 041.74 | А | 20 | 33 | 21 | 32 | 20 | 33 | 21 | 30 | 20 | 33 | 21 | 32 | | | | |
| 2170 D | 21 | 56 | 07 | W151.65 | Α | 21 | 32 | 22 | 10 | | | | | 21 | 32 | 22 | 10 | 21 | 35 | 22 | 09 |
| 2170 N | 22 | 49 | 42 | E 014.93 | Α | | | | | 22 | 21 | 23 | 19 | 22 | 21 | 23 | 19 | | | | |
| 2171 D | 23 | 43 | 21 | W178.47 | Α | | | | | | | | | 23 | 19 | 00 | 08 | 23 | 22 | 00 | 03 |
| 2171 N | 00 | 36 | 56 | W011.86 | Α | | | | | 00 | 08 | 00 | 22 | 00 | 08 | 00 | 22 | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 17 SEPTEMBER 1970

| DATA | A | SCEND | /DESC | END | UDDOO | | IR | IS | | THI | IR HL | IMIDI | TY | TE | TH MPER | IR ATUR | RE | | ID | cs | |
|--------|----|-------|-------|----------|-------|----|-----|----|-----|-----|-------|-------|-----|----|------------|------------|-----|----|-----|-----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | 0F | F | 0 | N | OF | F | 0 | N | 01 | FF | 0 | N | 01 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HRI | MIN | HR | MIN | HR | MIN | HRI | MIN | HR | MIN | HR | MIN |
| 2172 D | 01 | 30 | 35 | E 154.71 | | | | | | | | | | | | | | | | | |
| 2172 N | 02 | 24 | 10 | W038.67 | | | | | | | | | | | | | | | | | |
| 2173 D | 03 | 17 | 49 | E 127.89 | | | | | | | | | | | | | | | | | |
| 2173 N | 04 | 11 | 24 | W065.49 | В | 03 | 50 | 04 | 41 | 03 | 51 | 04 | 40 | 03 | 51 | 04 | 41 | | | | |
| 2174 D | 05 | 05 | 03 | E 101.11 | В | 04 | 41 | 05 | 29 | | | | | 04 | 41 | 05 | 29 | 04 | 44 | 05 | 29 |
| 2174 N | 05 | 58 | 38 | W092.30 | A/B | 05 | 29 | 06 | 28 | 05 | 29 | 06 | 27 | 05 | 29 | 06 | 28 | | | | |
| 2175 D | 06 | 52 | 17 | E 074.29 | Α | 06 | 28 | 07 | 17 | | | | | 06 | 28 | 07 | 17 | 06 | 31 | 07 | 16 |
| 2175 N | 07 | 45 | 52 | W119.09 | B/A | 07 | 17 | 08 | 15 | 07 | 17 | 08 | 15 | 07 | 17 | 08 | 15 | | | | |
| 2176 D | 08 | 39 | 31 | E 047.48 | В | 08 | 15 | 09 | 04 | | | | | 08 | 15 | 09 | 04 | 08 | 18 | 09 | 03 |
| 2176 N | 09 | 33 | 06 | W145.90 | Α | 09 | 04 | 10 | 03 | 09 | 10 | 10 | 02 | 09 | 10 | 10 | 03 | | | | |
| 2177 D | 10 | 26 | 45 | E 020.65 | Α | 10 | 03 | 10 | 51 | | | | | 10 | 03 | 10 | 51 | 10 | 05 | 10 | 47 |
| 2177 N | 11 | 20 | 21 | W172.73 | В | 10 | 51 | 11 | 50 | 10 | 56 | 11 | 49 | 10 | 56 | 11 | 50 | | | | |
| 2178 D | 12 | 14 | 00 | W006.12 | В | 11 | 50 | 12 | 38 | | | | | 11 | 50 | 12 | 38 | 11 | 52 | 12 | 37 |
| 2178 N | 13 | 07 | 35 | E 160.46 | Α | 12 | 38 | 13 | 37 | 12 | 42 | 13 | 36 | 12 | 42 | 13 | 37 | | | | |
| 2179 D | 14 | 01 | 14 | W032.95 | Α | 13 | 37 | 14 | 26 | | | | | 13 | 37 | 14 | 26 | 13 | 40 | 14 | 25 |
| 2179 N | 14 | 54 | 49 | E 133.64 | В | 14 | 27 | 15 | 24 | 14 | 28 | 15 | 24 | 14 | 28 | 15 | 24 | | | | |
| 2180 D | 15 | 48 | 28 | W059.76 | В | 15 | 24 | 16 | 13 | | | | | 15 | 24 | 16 | 10 | 15 | 27 | 16 | 08 |
| 2180 N | 16 | 42 | 03 | E 106.86 | A | 16 | 13 | 17 | 12 | 16 | 13 | 17 | 11 | 16 | 13 | 17 | 12 | | | | |
| 2181 D | 17 | 35 | 42 | W086.58 | A/B | 17 | 12 | 18 | 00 | | | | | 17 | 12 | 18 | 00 | 17 | 14 | 17 | 52 |
| 2181 N | 18 | 29 | 17 | E 080.04 | В | 18 | 00 | 18 | 59 | 18 | 00 | 18 | 58 | 18 | 00 | 18 | 59 | | | | |
| 2182 D | 19 | 22 | 56 | W113.36 | B/A | 18 | 59 | 19 | 47 | | | | | 18 | 59 | 19 | 47 | 19 | 01 | 19 | 46 |
| 2182 N | 20 | 16 | 31 | E 053.23 | Α | 19 | 47 | 20 | 46 | 19 | 47 | 20 | 45 | 19 | 47 | 20 | 46 | | | | |
| 2183 D | 21 | 10 | 10 | W140.18 | A/B | 20 | 46 | 21 | 34 | | | | | 20 | 46 | 21 | 34 | 20 | 49 | 21 | 34 |
| 2183 N | 22 | 03 | 45 | E 026.40 | В | 21 | 34 | 22 | 33 | 21 | 35 | 22 | 33 | 21 | 34 | 22 | 33 | | | | |
| 2184 D | 22 | 57 | 24 | W166.99 | B/A | 22 | 33 | 23 | 22 | | | | | 22 | 33 | 23 | 22 | 22 | 36 | 23 | 11 |
| 2184 N | 23 | 51 | 00 | W000.37 | Α | 23 | 22 | 00 | 20 | 23 | 22 | 00 | 20 | 23 | 22 | 00 | 20 | | | | |
| | | | | | | | | | | | | | | | | | | | | 5.8 | |
| | | | | | | | | | | | | | | | | | | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 18 SEPTEMBER 1970

| DATA ORBIT HF 2185 D 00 2185 N 01 2186 D 02 2186 N 03 2187 D 04 | 44 | SEC 38 | LONG DEG | HDRSS | 0 | | | | | | _ | | | MPER | | | | | | |
|--|----|-----------|-------------|-------|----|-----|----|-----|----|------|----|-----|----|------|----|-----|----|-----|----|-----|
| 2185 D 00 2185 N 01 2186 D 02 2186 N 03 2187 D 04 | 44 | 1 | DEG | | - | N | OF | F | 0 | N | OF | F | 0 | N | 01 | FF | 0 | N | 0 | FF |
| 2185 N 01 2186 D 02 2186 N 03 2187 D 04 | 38 | 38 | | | HR | MIN | HR | MIN | HR | VIIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN |
| 2186 D 02 2186 N 03 2187 D 04 | - | | E 166.18 | Α | 00 | 20 | 01 | 09 | | | | | 00 | 20 | 01 | 09 | 00 | 23 | 01 | 08 |
| 2186 N 03 2187 D 04 | 31 | 14 | W027.20 | Α | 01 | 09 | 01 | 41 | | | | | 01 | 09 | 01 | 16 | | | | |
| 2187 D 04 | | 52 | E 139.41 | | | | | | | | | | | | | | | | | |
| | 25 | 28 | W054.01 | В | 03 | 03 | 03 | 55 | 03 | 04 | 03 | 54 | 03 | 04 | 03 | 55 | | | | |
| | 19 | 07 | E 112.58 | В | 03 | 55 | 04 | 43 | | | | | 03 | 55 | 04 | 43 | 03 | 58 | 04 | 39 |
| 2187 N 05 | 12 | 42 | W080.38 | A/B | 04 | 43 | 05 | 42 | 04 | 44 | 05 | 41 | 04 | 43 | 05 | 41 | | | | |
| 2188 D 06 | 06 | 21 | E 085.77 | Α | 05 | 42 | 06 | 31 | | | | | 05 | 42 | 06 | 31 | 05 | 45 | 06 | 26 |
| 2188 N 06 | 59 | 56 | W107.61 | Α | 06 | 31 | 07 | 29 | 06 | 31 | 06 | 44 | 06 | 31 | 06 | 45 | | | | |
| 2189 D 07 | 53 | 35 | E 058.95 | Α | 07 | 29 | 08 | 18 | | | | | | | | | | | | |
| 2189 N 08 | 47 | 10 | W134.43 | Α | 08 | 18 | 09 | 17 | 08 | 25 | 09 | 16 | 08 | 25 | 09 | 17 | | | | |
| 2190 D 09 | 40 | 49 | E 032.13 | Α | 09 | 17 | 10 | 05 | | | | | 09 | 17 | 10 | 05 | 09 | 19 | 10 | 04 |
| 2190 N 10 | 34 | 24 | W161.25 | В | 10 | 05 | 11 | 04 | 10 | 10 | 11 | 03 | 10 | 10 | 11 | 04 | | | | |
| 2191 D 11 | 28 | 03 | E 005.36 | В | 11 | 04 | 11 | 52 | | | | | 11 | 04 | 11 | 52 | 11 | 06 | 11 | 51 |
| 2191 N 12 | 21 | 38 | E 171.93 | Α | 11 | 52 | 12 | 51 | 11 | 57 | 12 | 50 | 11 | 57 | 12 | 51 | | | | |
| 2192 D 13 | 15 | 17 | W021.47 | Α | 12 | 51 | 13 | 40 | | | | | 12 | 51 | 13 | 40 | 12 | 53 | 13 | 38 |
| 2192 N 14 | 08 | 53 | E 145.12 | В | 13 | 40 | 14 | 38 | 13 | 43 | 14 | 38 | 13 | 43 | 14 | 38 | | | | |
| 2193 D 15 | 02 | 31 | W048.28 | В | 14 | 38 | 15 | 27 | | | | | 14 | 38 | 15 | 26 | 14 | 40 | 15 | 22 |
| 2193 N 15 | 56 | 07 | E 118.33 | Α | 15 | 27 | 16 | 26 | 15 | 27 | 16 | 24 | 15 | 27 | 16 | 26 | | | | |
| 2194 D 16 | 49 | 45 | W075.10 | Α | 16 | 26 | 17 | 09 | | | | | 16 | 26 | 17 | 07 | 16 | 28 | 17 | 06 |
| 2194 N 17 | 43 | 21 | E 091.52 | В | | | | | 17 | 14 | 18 | 12 | 17 | 14 | 18 | 13 | | | | |
| 2195 D 18 | 37 | 00 | W101.88 | B/A | 18 | 43 | 19 | 01 | | | | | 18 | 13 | 19 | 01 | 18 | 15 | 19 | 00 |
| 2195 N 19 | 30 | 35 | E 064.69 | Α | 19 | 01 | 20 | 00 | 19 | 01 | 19 | 59 | 19 | 01 | 20 | 00 | | | | |
| 2196 D 20 | 24 | 14 | W128.70 | A/B | 20 | 00 | 20 | 48 | | | | | 20 | 00 | 20 | 48 | 20 | 02 | 20 | 37 |
| 2196 N 21 | 17 | 49 | E 037.88 | В | 20 | 48 | 21 | 47 | 20 | 49 | 21 | 47 | 20 | 48 | 21 | 47 | | | | |
| 2197 D 22 | 11 | 28 | W155.51 | B/A | 21 | 47 | 22 | 36 | 2 | | | | 21 | 47 | 22 | 36 | 21 | 50 | 22 | 24 |
| 2197 N 23 | 05 | 03 | E 011.09 | А | 22 | 36 | 23 | 34 | 22 | 36 | 23 | 34 | 22 | 36 | 23 | 34 | | | | |
| 2198 D 23 | 58 | 42 | E 177.66 | Α | 23 | 34 | 00 | 23 | | | | | 23 | 34 | 00 | 23 | 23 | 37 | 00 | 22 |
| 2198 N 00 | 52 | 17 | W015.72 | B/A | 00 | 23 | 01 | 22 | 00 | 30 | 01 | 21 | 00 | 23 | 01 | 22 | | | | |
| | | | | | | | | | | | | | | | | | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 19 SEPTEMBER 1970

| DATA | - A | SCEND | /DESC | END | UDDCC | | IR | IS | | THI | RHL | IMIDI | ГҮ | TE | TH MPER | IR ATUF | RE | | ID | cs | |
|--------|-----|-------|-------|----------|-------|----------|----------|----------|----------|-----|-----|-------|-----|----|------------|------------|-----|-----|-----|-----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | OF | F | 01 | V | OF | FF | 0 | N | 01 | F |
| | HR | MIN | SEC | DEG | | HRI | NIN | HR | MIN | HRI | MIN | HRI | MIN | HR | MIN | HRI | MIN | HRI | MIN | HRI | MIN |
| 2199 D | 01 | 45 | 57 | E 150.89 | В | 01 | 22 | 02 | 10 | | | | | 01 | 22 | 02 | 10 | 01 | 24 | 02 | 06 |
| 2199 N | 02 | 39 | 31 | W042.54 | В | 02 | 10 | 02 | 30 | 02 | 10 | 02 | 31 | 02 | 10 | 0,2 | 31 | | | | |
| 2200 D | 03 | 33 | 10 | E 124.06 | | | | | | | | | | | | | | | | | |
| 2200 N | 04 | 26 | 46 | W069.35 | В | 04 | 21 | 04 | 56 | 04 | 21 | 04 | 55 | 04 | 21 | 04 | 56 | | | | |
| 2201 D | 05 | 20 | 24 | E 097.25 | В | 04 | 56 | 05 | 45 | | | | | 04 | 56 | 05 | 45 | 04 | 57 | 05 | 44 |
| 2201 N | 06 | 14 | 00 | W096.14 | В | 05 | 45 | 05 | 56 | 05 | 45 | 05 | 56 | 05 | 45 | 05 | 56 | | | | |
| 2201 N | 06 | 14 | 00 | W096.14 | В | 06 | 02 | 06 | 43 | 06 | 03 | 06 | 43 | 06 | 02 | 06 | 43 | | | A | |
| 2202 D | 07 | 07 | 38 | E 070.43 | В | 06 | 43 | 07 | 32 | | | | | 06 | 43 | 07 | 32 | 06 | 46 | 07 | 27 |
| 2202 N | 08 | 01 | 14 | W122.95 | A/B | 07 | 32 | 08 | 31 | 07 | 32 | 08 | 30 | 07 | 32 | 08 | 31 | | | | |
| 2203 D | 08 | 54 | 53 | E 043.62 | Α | 08 | 31 | 09 | 19 | | | - | | 08 | 31 | 09 | 19 | 08 | 33 | 09 | 18 |
| 2203 N | 09 | 48 | 28 | W149.76 | Α | 09 | 19 | 09 | 25 | 09 | 30 | 10 | 17 | 09 | 19 | 09 | 24 | | | | |
| 2203 N | 09 | 48 | 28 | W149.76 | А | 09 | 29 | 10 | 18 | | | | | 09 | 30 | 10 | 18 | | | | |
| 2204 D | 10 | 42 | 07 | E 016.83 | Α | 10 | 18 | 11 | 06 | | | | | 10 | 18 | 11 | 06 | 10 | 20 | 11 | 05 |
| 2204 N | 11 | 35 | 42 | W176.59 | В | 11 | 06 | 12 | 05 | 11 | 12 | 12 | 04 | 11 | 12 | 12 | 05 | | | | |
| 2205 D | 12 | 29 | 21 | W009.98 | В | 12 | 05 | 12 | 53 | | | | | 12 | 05 | 12 | 53 | 12 | 08 | 12 | 53 |
| 2205 N | 13 | 22 | 56 | E 156.64 | Α | 12 | 53 | 13 | 52 | 12 | 57 | 13 | 52 | 12 | 57 | 13 | 52 | | | | |
| 2206 D | 14 | 16 | 35 | W036.81 | Α | 13 | 52 | 14 | 41 | | | 1 | | 13 | 52 | 14 | 41 | 13 | 55 | 14 | 40 |
| 2206 N | 15 | 10 | 10 | E 129.81 | В | 14 | 41 | 15 | 40 | 14 | 44 | 15 | 39 | 14 | 44 | 15 | 40 | | | | |
| 2207 D | 16 | 03 | 49 | W063.62 | В | 15 | 40 | 16 | 26 | | | - 10 | | 15 | 40 | 16 | 25 | 15 | 41 | 16 | 24 |
| 2207 N | 16 | 57 | 24 | E 103.00 | А | | | | | 16 | 28 | 17 | 26 | 16 | 28 | 17 | 27 | | | | |
| 2208 D | 17 | 51 | 03 | W090.41 | А | 17 | 34 | 18 | 15 | | | | | 17 | 27 | 18 | 09 | 17 | 27 | 18 | 07 |
| 2208 N | 18 | 44 | 39 | E 076.18 | В | 18 | 15 | 19 | 14 | 18 | 15 | 19 | 13 | 18 | 15 | 19 | 14 | | | | |
| 2209 D | 19 | 38 | 17 | W117.22 | B/A | 19 | 14 | 20 | 02 | | | | | 19 | 14 | 20 | 02 | 19 | 16 | 20 | 02 |
| 2209 N | 20 | 31 | 53 | E 049.37 | А | 20 | 02 | 21 | 01 | 20 | 02 | 21 | 01 | 20 | 02 | 21 | 01 | | | | |
| 2210 D | 21 | 25 | 31 | W144.04 | А | 21 21 | 01 46 | 21 21 | 40 50 | | | | | 21 | 01 | 21 | 40 | 21 | 04 | 21 | 38 |
| 2210 N | 22 | 19 | 07 | E 022.58 | Α | 21 | 50 | 22 | 48 | 21 | 50 | 22 | 48 | 21 | 50 | 22 | 48 | | | | |
| 2211 D | 23 | 12 | 46 | W170.86 | Α | 22 | 48 | 23 | 37 | | | | | 22 | 48 | 23 | 37 | 22 | 51 | 23 | 33 |
| 2211 N | 00 | 06 | 21 | W004.23 | A | 23 | 37 | 23 | 48 | 23 | 37 | 23 | 49 | 23 | 37 | 23 | 48 | - | | | |
| | | | | | | | | | | | | | | | | | | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 20 SEPTEMBER 1970

| DATA | A | SCEND | /DESC | END | HDRSS | | IR | IIS | | ТН | IR HI | JMIDI | TY | TE | | IIR | RE | | ID | cs | |
|--------|----|-------|-------|----------|-------|----|-----|-----|-----|----|-------|-------|-----|----|-----|-----|-----|----|-----|----|-----|
| ORBIT | | TIME | | LONG | บบหออ | 0 | N | OF | F | 0 | N | 01 | F | 0 | N | 0 | FF | 0 | N | 0 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN |
| 2212 D | 01 | 00 | 00 | E 162.36 | | | | | | | | | | | | | | | · | | |
| 2212 N | 01 | 53 | 35 | W031.06 | | | | | | | | | | | | | | | | | |
| 2213 D | 02 | 47 | 14 | E 135.54 | | | | | | | | | | | | | | | | | |
| 2213 N | 03 | 40 | 49 | W057.87 | В | 03 | 17 | 04 | 10 | 03 | 18 | 04 | 09 | 03 | 18 | 04 | 10 | | | | |
| 2214 D | 04 | 34 | 28 | E 108.72 | В | 04 | 10 | 04 | 59 | | | | | 04 | 10 | 04 | 59 | 04 | 13 | 04 | 58 |
| 2214 N | 05 | 28 | 03 | W084.66 | A/B | 04 | 59 | 05 | 57 | 04 | 59 | 05 | 56 | 04 | 59 | 05 | 57 | | | | |
| 2215 D | 06 | 21 | 42 | E 081.91 | Α | 05 | 57 | 06 | 46 | | | | | 06 | 01 | 06 | 46 | 06 | 00 | 06 | 45 |
| 2215 N | 07 | 15 | 17 | W111.47 | B/A | 06 | 46 | 07 | 45 | 06 | 46 | 07 | 44 | 06 | 46 | 07 | 44 | | | | |
| 2216 D | 08 | 08 | 56 | E 055.12 | В | 07 | 45 | 08 | 33 | | | | | 07 | 44 | 08 | 33 | 07 | 47 | 08 | 29 |
| 2216 N | 09 | 02 | 32 | W138.29 | B/A | 08 | 33 | 09 | 32 | 08 | 40 | 09 | 31 | 08 | 33 | 09 | 30 | | | | |
| 2217 D | 09 | 56 | 10 | E 028.31 | Α | 09 | 32 | 10 | 20 | | | | | 09 | 32 | 10 | 20 | 09 | 34 | 10 | 19 |
| 2217 N | 10 | 49 | 46 | W165.11 | B/A | 10 | 20 | 11 | 19 | 10 | 25 | 11 | 19 | 10 | 20 | 11 | 19 | | | | |
| 2218 D | 11 | 43 | 24 | E 001.48 | В | 11 | 19 | 12 | 07 | | | | | 11 | 19 | 12 | 07 | 11 | 22 | 12 | 07 |
| 2218 N | 12 | 37 | 00 | E 168.11 | Α | 12 | 07 | 13 | 06 | 12 | 12 | 13 | 06 | 12 | 12 | 13 | 06 | | | | |
| 2219 D | 13 | 30 | 38 | W025.33 | Α | 13 | 06 | 13 | 52 | | | | | 13 | 06 | 13 | 55 | 13 | 09 | 13 | 54 |
| 2219 N | 14 | 24 | 14 | E 141.29 | В | | | | | 13 | 59 | 14 | 53 | 13 | 59 | 14 | 53 | | | | |
| 2220 D | 15 | 17 | 53 | W052.14 | В | | | | | | | | | 14 | 53 | 15 | 39 | 14 | 56 | 15 | 38 |
| 2220 N | 16 | 11 | 28 | E 114.47 | Α | 15 | 42 | 16 | 41 | 15 | 42 | 16 | 40 | 15 | 42 | 16 | 41 | | | | |
| 2221 D | 17 | 05 | 07 | W078.93 | Α | 16 | 41 | 17 | 29 | | | | | 16 | 41 | 17 | 26 | 16 | 43 | 17 | 25 |
| 2221 N | 17 | 58 | 42 | E 087.66 | В | 17 | 29 | 18 | 28 | 17 | 29 | 18 | 27 | 17 | 29 | 18 | 28 | | | | |
| 2222 D | 18 | 52 | 21 | W105.74 | ·B/A | 18 | 28 | 19 | 16 | | | | | 18 | 28 | 19 | 16 | 18 | 30 | 19 | 05 |
| 2222 N | 19 | 45 | 56 | E 060.83 | Α | 19 | 16 | 20 | 15 | 19 | 17 | 20 | 14 | 19 | 16 | 20 | 15 | | | | |
| 2223 D | 20 | 39 | 35 | W132.56 | A/B | 20 | 15 | 21 | 04 | | | | | 20 | 15 | 21 | 04 | 20 | 18 | 20 | 52 |
| 2223 N | 21 | 33 | 10 | E 034.06 | В | 21 | 04 | 22 | 02 | 21 | 04 | 22 | 02 | 21 | 04 | 22 | 02 | | | | |
| 2224 D | 22 | 26 | 49 | W159.37 | B/A | 22 | 02 | 22 | 51 | | | | | 22 | 02 | 22 | 51 | 22 | 05 | 22 | 40 |
| 2224 N | 23 | 20 | 25 | E 007.23 | Α | 22 | 51 | 23 | 50 | 22 | 51 | 23 | 49 | 22 | 51 | 23 | 50 | | | | |
| at . | | | | | | | | | | | | | | | | | | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 21 SEPTEMBER 1970

| DATA | A | SCEND | /DESC | END | | | IR | IS | | ТН | IR HU | MIDI | TY | TE | TH | IR ATUF | RE | | ID | cs | |
|--------|----|-------|-------|----------|-------|----|-----|----|-----|----|-------|------|-----|----|-----|------------|-----|-----|-----|----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | OF | F | 01 | N | 01 | FF | 0 | N | 0 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HRI | MIN | HR | MIN |
| 2225 D | 00 | 14 | 03 | E 173.84 | А | 23 | 50 | 00 | 38 | | | | | 23 | 50 | 00 | 38 | 23 | 52 | 00 | 37 |
| 2225 N | 01 | 07 | 39 | W019.58 | B/A | 00 | 38 | 01 | 37 | 00 | 45 | 01 | 36 | 00 | 38 | 01 | 37 | | | | |
| 2226 D | 02 | 01 | 17 | E 147.03 | В | 01 | 37 | 02 | 25 | | | | | 01 | 37 | 02 | 25 | 01 | 39 | 02 | 21 |
| 2226 N | 02 | 54 | 53 | W046.40 | В | 02 | 25 | 02 | 46 | 02 | 26 | 02 | 46 | 02 | 25 | 02 | 46 | | | | |
| 2227 D | 03 | 48 | 31 | E 120.20 | | | | | | | - | | | | | | | | | | |
| 2227 N | 04 | 42 | 07 | W073.18 | В | | | | | 04 | 35 | 05 | 11 | 04 | 36 | 05 | 11 | | | | |
| 2228 D | 05 | 35 | 46 | E 093.39 | В | 05 | 35 | 06 | 00 | | | | | 05 | 11 | 06 | 00 | 05 | 14 | 05 | 59 |
| 2228 N | 06 | 29 | 21 | W100.00 | В | 06 | 00 | 06 | 12 | 06 | 00 | 06 | 12 | 06 | 00 | 06 | 12 | | | | |
| 2228 N | 06 | 29 | 21 | W100.00 | А | 06 | 23 | 06 | 58 | 06 | 23 | 06 | 58 | 06 | 23 | 06 | 58 | | | | |
| 2229 D | 07 | 23 | 00 | E 066.60 | Α | 06 | 58 | 07 | 47 | | | | | 06 | 58 | 07 | 47 | 07 | 01 | 07 | 43 |
| 2229 N | 08 | 16 | 35 | W126.81 | B/A | 07 | 47 | 08 | 46 | 07 | 55 | 08 | 45 | 07 | 47 | 08 | 46 | | | | |
| 2230 D | 09 | 10 | 14 | E 039.79 | В | 08 | 46 | 09 | 34 | | | | | 08 | 46 | 09 | 34 | 08 | 48 | 09 | 33 |
| 2230 N | 10 | 03 | 49 | W153.64 | В | 09 | 34 | 10 | 33 | 09 | 41 | 10 | 32 | 09 | 34 | 09 | 40 | | | | |
| 2230 N | 10 | 03 | 49 | W153.64 | Α | | | | | | | | | 09 | 59 | 10 | 33 | | | | |
| 2231 D | 10 | 57 | 28 | E 012.97 | Α | 10 | 33 | 11 | 21 | | | | | 10 | 33 | -11 | 21 | 10 | 35 | 11 | 21 |
| 2231 N | 11 | 51 | 03 | E 179.59 | В | 11 | 21 | 12 | 20 | 11 | 28 | 12 | 19 | 11 | 28 | 12 | 20 | | | | |
| 2232 D | 12 | 44 | 42 | W013.85 | В | 12 | 20 | 13 | 09 | | | | | 12 | 20 | 13 | 09 | 12 | 23 | 13 | 08 |
| 2232 N | 13 | 38 | 18 | E 152.76 | Α | 13 | 09 | 14 | 07 | 13 | 12 | 14 | 07 | 13 | 12 | 14 | 07 | | | | |
| 2233 D | 14 | 31 | 56 | W040.63 | А | 14 | 07 | 14 | 56 | | | | | 14 | 07 | 14 | 55 | 14 | 10 | 14 | 55 |
| 2233 N | 15 | 25 | 32 | E 125.95 | В | 14 | 56 | 15 | 55 | 14 | 57 | 15 | 54 | 14 | 57 | 15 | 55 | | | | |
| 2234 D | 16 | 19 | 10 | W067.45 | В | 15 | 55 | 16 | 43 | | | | | 15 | 55 | 16 | 38 | 15 | 57 | 16 | 39 |
| 2234 N | 17 | 12 | 46 | E 099.13 | Α | 16 | 43 | 17 | 42 | 16 | 43 | 17 | 41 | 16 | 43 | 17 | 42 | | | | |
| 2235 D | 18 | 06 | 24 | W094.27 | A/B | 17 | 42 | 18 | 30 | | | | | 17 | 42 | 18 | 30 | 17 | 44 | 18 | 23 |
| 2235 N | 19 | 00 | 00 | E 072.35 | В | 18 | 30 | 19 | 29 | 18 | 31 | 19 | 29 | 18 | 30 | 19 | 29 | | | | |
| 2236 D | 19 | 53 | 39 | W121.08 | B/A | 19 | 29 | 20 | 17 | | | | | 19 | 29 | 20 | 17 | 19 | 32 | 20 | 17 |
| 2236 N | 20 | 47 | 14 | E 045.54 | Α | 20 | 17 | 21 | 16 | 20 | 18 | 21 | 16 | 20 | 17 | 21 | 16 | | | | |
| 2237 D | 21 | 40 | 53 | W147.91 | А | 21 | 16 | 22 | 03 | | | | | 21 | 16 | 21 | 55 | 21 | 19 | 21 | 54 |
| 2237 N | 22 | 34 | 28 | E 018.72 | Α | 22 | 03 | 23 | 03 | 22 | 05 | 23 | 03 | 22 | 05 | 23 | 03 | | | | |
| 2238 D | 23 | 28 | 07 | W174.68 | Α | 23 | 03 | 23 | 52 | | | | | 23 | 03 | 23 | 52 | 23 | 06 | 23 | 51 |
| 2238 N | 00 | 21 | 42 | W008.10 | А | 23 | 52 | 00 | 06 | 23 | 52 | 00 | 06 | 23 | 52 | 00 | 06 | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 22 SEPTEMBER 1970

| DATA | A | SCEND | /DESC | END | 410.000 | | IR | IS. | | ТН | IR HL | IMIDI | TY | TE | | IR RATUR | RE | | םו | cs | |
|--------|----|-------|-------|----------|---------|----------|----------|----------|----------|----|-------|-------|-----|----|-----|-------------|-----|----|-----|----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | O F | F | 01 | N | 01 | FF | 0 | N | 01 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HB | MIN |
| 2239 D | 01 | 15 | 21 | E 158.49 | | | | | | | | | | | | | | | | | |
| 2239 N | 02 | 08 | 56 | W034.92 | | | | | | | | | | | | | | | | | |
| 2240 D | 03 | 02 | 35 | E 131.68 | | | | | | | | | | | | | | | | | |
| 2240 N | 03 | 56 | 11 | W061.70 | В | 03 | 34 | 04 | 25 | 03 | 35 | 04 | 25 | 03 | 35 | 04 | 25 | | | | |
| 2241 D | 04 | 49 | 49 | E 104.86 | В | 04 | 25 | 05 | 14 | | | | | 04 | 25 | 05 | 14 | 04 | 28 | 05 | 09 |
| 2241 N | 05 | 43 | 25 | W088.52 | A/B | 05 | 14 | 06 | 12 | 05 | 14 | 06 | 12 | 05 | 14 | 06 | 12 | | | | |
| 2242 D | 06 | 37 | 03 | E 078.08 | Α | 06 | 12 | 07 | 01 | | | | | 06 | 12 | 07 | 01 | 06 | 15 | 07 | 00 |
| 2242 N | 07 | 30 | 39 | W115.33 | B/A | 07 | 01 | 08 | 00 | 07 | 01 | 07 | 59 | 07 | 01 | 08 | 00 | | | | |
| 2243 D | 08 | 24 | 17 | E 051.26 | В | 08 | 00 | 08 | 48 | | | | | 08 | 00 | 08 | 48 | 08 | 02 | 08 | 44 |
| 2243 N | 09 | 17 | 53 | W142.16 | A/B | 08 | 48 | 09 | 47 | 08 | 56 | 09 | 46 | 08 | 48 | 09 | 47 | | | | |
| 2244 D | 10 | 11 | 31 | E 024.45 | Α | 09 | 47 | 10 | 35 | | | | | 09 | 47 | 10 | 35 | 09 | 49 | 10 | 34 |
| 2244 N | 11 | 05 | 07 | E 168.93 | В | 10 | 35 | 11 | 34 | 10 | 42 | 11 | 34 | 10 | 41 | 11 | 34 | | | | |
| 2245 D | 11 | 58 | 46 | W002.38 | В | 11 | 34 | 12 | 23 | | | | | 11 | 34 | 12 | 23 | 11 | 37 | 12 | 22 |
| 2245 N | 12 | 52 | 21 | E 164.24 | Α | 12 | 23 | 13 | 21 | 12 | 27 | 13 | 21 | 12 | 27 | 13 | 09 | | | | |
| 2246 D | 13 | 46 | 00 | W029.15 | Α | 13 | 21 | 14 | . 11 | | | | | | | | | 13 | 24 | 14 | 09 |
| 2246 N | 14 | 39 | 35 | E 137.43 | В | 14 | 11 | 15 | 09 | 14 | 13 | 15 | 08 | 14 | 24 | 15 | 09 | | | | |
| 2247 D | 15 | 33 | 14 | W055.98 | В | 15 | 09 | 15 | 57 | | | | | 15 | 09 | 15 | 54 | 15 | 11 | 15 | 53 |
| 2247 N | 16 | 26 | 49 | E 110.61 | Α | 15 | 57 | 16 | 56 | 15 | 57 | 16 | 55 | 15 | 57 | 16 | 56 | | | | |
| 2248 D | 17 | 20 | 28 | W082.79 | A/B | 16 | 56 | 17 | 44 | | | | | 16 | 56 | 17 | 44 | 16 | 58 | 17 | 36 |
| 2248 N | 18 | 14 | 04 | E 083.83 | В | 17 | 44 | 18 | 43 | 17 | 45 | 18 | 43 | 17 | 44 | 18 | 43 | | | | |
| 2249 D | 19 | 07 | 42 | W109.61 | B/A | 18 | 43 | 19 | 31 | | | | | 18 | 43 | 19 | 31 | 18 | 46 | 19 | 17 |
| 2249 N | 20 | 01 | 18 | E 057.01 | Α | 19 | 31 | 20 | 30 | 19 | 32 | 20 | 30 | 19 | 31 | 20 | 30 | | | | |
| 2250 D | 20 | 54 | 56 | W136.39 | A/B | 20 21 | 30 13 | 21 21 | 09 19 | | | | | 20 | 30 | 21 | 19 | 20 | 33 | 21 | 07 |
| 2250 N | 21 | 48 | 32 | E 030.20 | В | 21 | 19 | 22 | 17 | 21 | 19 | 22 | 17 | 21 | 19 | 22 | 17 | | | | |
| 2251 D | 22 | 42 | 10 | W163.20 | B/A | 22 | 17 | 23 | 06 | | | | | 22 | 17 | 23 | 06 | 22 | 20 | 22 | 51 |
| 2251 N | 23 | 35 | 46 | E 003.37 | Α | 23 | 06 | 00 | 05 | 23 | 06 | 00 | 04 | 23 | 06 | 00 | 05 | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 23 SEPTEMBER 1970

| DATA | A | SCEND | /DESC | END | шрвее | | IR | IS | | TH | RHL | IMIDI: | ΤY | TE | TH | IR ATUI | RE | | ID | cs | |
|--------|----|-------|-------|----------|-------|----|-----|----|-----|-----|-----|--------|-----|----|-----|------------|-----|----|-----|----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | 0 F | F | 0 | N | 0 | FF | 0 | N | 0 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HRI | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN |
| 2252 D | 00 | 29 | 24 | E 169.97 | Α | 00 | 05 | 00 | 53 | | | | | 00 | 05 | 00 | 53 | 00 | 07 | 00 | 52 |
| 2252 N | 01 | 23 | 00 | W023.44 | Α | 00 | 53 | 01 | 00 | | | | | 00 | 53 | 0Q | 59 | | | | |
| 2253 D | 02 | 16 | 39 | E 143.16 | | | | | | | | | | | | | | | | | |
| 2253 N | 03 | 10 | 14 | W050.23 | В | 02 | 44 | 03 | 39 | 02 | 45 | 03 | 39 | 02 | 45 | 03 | 39 | | | | |
| 2254 D | 04 | 03 | 53 | E 116.34 | В | 03 | 39 | 04 | 28 | | | | | 03 | 39 | 04 | 28 | 03 | 42 | 04 | 27 |
| 2254 N | 04 | 57 | 28 | W077.04 | В | 04 | 28 | 04 | 43 | 04 | 28 | 04 | 43 | 04 | 28 | 04 | 43 | | | | |
| 2254 N | 04 | 57 | 28 | W077.04 | В | 04 | 50 | 05 | 26 | 04 | 50 | 05 | 26 | 04 | 50 | 05 | 26 | | | | |
| 2255 D | 05 | 51 | 07 | E 089.56 | В | 05 | 26 | 06 | 15 | | | | | 05 | 26 | 06 | 15 | 05 | 29 | 06 | 11 |
| 2255 N | 06 | 44 | 42 | W103.86 | A/B | 06 | 15 | 07 | 14 | 06 | 15 | 06 | 30 | 06 | 15 | 07 | 14 | | | | |
| 2256 D | 07 | 38 | 21 | E 062.74 | Α | 07 | 14 | 08 | 02 | | | | | 07 | 14 | 08 | 02 | | | | |
| 2256 N | 08 | 31 | 57 | W130.67 | B/A | 08 | 02 | 09 | 01 | 08 | 11 | 09 | 01 | 08 | 02 | 09 | 01 | | | | |
| 2257 D | 09 | 25 | 35 | E 035.93 | В | 09 | 01 | 09 | 49 | | | | | 09 | 01 | 09 | 49 | 09 | 03 | 09 | 45 |
| 2257 N | 10 | 19 | 11 | W157.46 | A/B | 09 | 49 | 10 | 48 | 09 | 56 | 10 | 48 | 09 | 49 | 10 | 48 | | | | |
| 2258 D | 11 | 12 | 49 | E 009.10 | Α | 10 | 48 | 11 | 36 | | | | | 10 | 48 | 11 | 36 | 10 | 51 | 11 | 36 |
| 2258 N | 12 | 06 | 25 | E 175.73 | В | 11 | 36 | 12 | 35 | 11 | 43 | 12 | 35 | 11 | 43 | 12 | 35 | | | | |
| 2259 D | 13 | 00 | 03 | W017.67 | В | 12 | 35 | 13 | 24 | | | | | 12 | 35 | 13 | 24 | 12 | 38 | 13 | 23 |
| 2259 N | 13 | 53 | 39 | E 148.90 | Α | 13 | 24 | 14 | 22 | 13 | 28 | 14 | 22 | 13 | 28 | 14 | 22 | | - | | |
| 2260 D | 14 | 47 | 17 | W044.50 | Α | 14 | 22 | 15 | 10 | | | | | 14 | 22 | 15 | 10 | 14 | 25 | 15 | 10 |
| 2260 N | 15 | 40 | 53 | E 122.09 | В | 15 | 12 | 16 | 10 | 15 | 12 | 16 | 09 | 15 | 12 | 16 | 10 | | | - | |
| 2261 D | 16 | 34 | 32 | W071.31 | В | 16 | 10 | 16 | 52 | | | | | 16 | 10 | 16 | 53 | 16 | 12 | 16 | 50 |
| 2261 N | 17 | 28 | 07 | E 095.30 | A | 17 | 44 | 17 | 57 | 16 | 59 | 17 | 57 | 16 | 58 | 17 | 57 | | | | |
| 2262 D | 18 | 21 | 46 | W098.13 | A/B | 17 | 57 | 18 | 45 | - | | | | 17 | 57 | 18 | 45 | 17 | 59 | 18 | 38 |
| 2262 N | 19 | 15 | 21 | E 068.49 | В | 18 | 45 | 19 | 44 | 18 | 46 | 19 | 44 | 18 | 45 | 19 | 44 | | | | |
| 2263 D | 20 | 09 | 00 | W124.91 | B/A | 19 | 44 | 20 | 33 | | | | | 19 | 44 | 20 | 33 | 19 | 47 | 20 | 25 |
| 2263 N | 21 | 02 | 35 | E 041.67 | Α | 20 | 33 | 21 | 31 | 20 | 33 | 21 | 31 | 20 | 33 | 21 | 31 | | | | |
| 2264 D | 21 | 56 | 14 | E 151.73 | Α | 21 | 31 | 22 | 11 | | | | | 21 | 31 | 22 | 11 | 21 | 34 | 22 | 09 |
| 2264 N | 22 | 49 | 49 | E 014.85 | Α | 22 | 17 | 23 | 19 | 22 | 20 | 23 | 19 | 22 | 20 | 23 | 19 | | | | |
| 2265 D | 23 | 43 | 28 | W178.54 | A | 23 | 19 | 00 | 07 | | 1 | | | 23 | 19 | 00 | 07 | 23 | 21 | 00 | 03 |
| 2265 N | 00 | 37 | 04 | W011.93 | Α | 00 | 07 | 00 | 18 | 00 | 08 | 00 | 19 | 00 | 07 | 00 | 19 | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 24 SEPTEMBER 1970

| DATA | A | SCEND | /DESC | END | UDDOO | | IR | IS | | ТН | IR HL | JMIDI | TY | TE | TH MPE F | | RE | | ID | CS | |
|--------|----|-------|-------|----------|-------|----|-----|----|-----|-----|-------|-------|-----|----|-------------|----|-----|----|-----|----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | 0 | FF | 0 | N | 0 | FF | 0 | N | 0 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN |
| 2266 D | 01 | 30 | 42 | E 154.63 | | | | | | | | | | | | | | | | | |
| 2266 N | 02 | 24 | 18 | W038.75 | | | | | | | | | | | | | | | | | |
| 2267 D | 03 | 17 | 56 | E 127.86 | | | | | | | | | | | | | | | | | |
| 2267 N | 04 | 11 | 32 | W065.57 | В | 03 | 52 | 04 | 40 | 03 | 53 | 04 | 40 | 03 | 53 | 04 | 40 | | | | |
| 2268 D | 05 | 05 | 10 | E 101.03 | В | 04 | 40 | 05 | 29 | | | | | 04 | 40 | 05 | 29 | 04 | 43 | 05 | 25 |
| 2268 N | 05 | 58 | 46 | W092.38 | A/B | 05 | 29 | 06 | 28 | 05 | 29 | 06 | 27 | 05 | 29 | 06 | 28 | | | | |
| 2269 D | 06 | 52 | 24 | E 074.22 | Α | 06 | 28 | 07 | 16 | 140 | | | | 06 | 28 | 07 | 15 | 06 | 30 | 07 | 12 |
| 2269 N | 07 | 46 | 00 | W119.19 | В | 07 | 16 | 08 | 15 | 07 | 31 | 08 | 15 | 07 | 31 | 08 | 15 | | | | |
| 2270 D | 08 | 39 | 39 | E 047.40 | В | 08 | 15 | 09 | 03 | | | | | 08 | 15 | 09 | 03 | 08 | 21 | 08 | 59 |
| 2270 N | 09 | 33 | 14 | W145.98 | A/B | 09 | 03 | 10 | 02 | 09 | 12 | 10 | 02 | 09 | 03 | 10 | 02 | | | | |
| 2271 D | 10 | 26 | 53 | E 020.58 | Α | 10 | 02 | 10 | 50 | | | | | 10 | 02 | 10 | 50 | 10 | 05 | 10 | 50 |
| 2271 N | 11 | 20 | 28 | W172.79 | В | 10 | 50 | 11 | 49 | 10 | 57 | 11 | 50 | 10 | 57 | 11 | 49 | | | | |
| 2272 D | 12 | 14 | 07 | W006.20 | В | 11 | 49 | 12 | 38 | | | | | 11 | 49 | 12 | 38 | 11 | 52 | 12 | 37 |
| 2272 N | 13 | 07 | 42 | E 160.38 | Α | 12 | 38 | 13 | 36 | 12 | 43 | 13 | 36 | 12 | 43 | 13 | 36 | | | | |
| 2273 D | 14 | 01 | 21 | W033.02 | Α | 13 | 36 | 14 | 25 | | | | | 13 | 36 | 14 | 25 | 13 | 39 | 14 | 24 |
| 2273 N | 14 | 54 | 57 | E 133.57 | В | 14 | 25 | 15 | 24 | 14 | 30 | 15 | 24 | 14 | 30 | 15 | 25 | | | | |
| 2274 D | 15 | 48 | 35 | W059.84 | В | 15 | 24 | 16 | 12 | | | | | 15 | 24 | 16 | 09 | 15 | 26 | 16 | 08 |
| 2274 N | 16 | 42 | 11 | E 106.78 | Α | 16 | 12 | 17 | 11 | 16 | 13 | 17 | 11 | 16 | 12 | 17 | 11 | | | | |
| 2275 D | 17 | 35 | 49 | W086.65 | Α | 17 | 11 | 17 | 59 | | | | | 17 | 11 | 17 | 53 | 17 | 13 | 17 | 52 |
| 2275 N | 18 | 29 | 25 | E 079.97 | В | 17 | 59 | 18 | 58 | 18 | 00 | 18 | 58 | 17 | 59 | 18 | 58 | | | | |
| 2276 D | 19 | 23 | 03 | W113.44 | +B/A | 18 | 58 | 19 | 47 | | | | | 18 | 58 | 19 | 47 | 19 | 01 | 19 | 35 |
| 2276 N | 20 | 16 | 39 | 053. 15 | Α | 19 | 47 | 20 | 45 | 19 | 47 | 20 | 45 | 19 | 47 | 20 | 45 | | | | |
| 2277 D | 21 | 10 | 17 | W140.25 | A/B | 20 | 45 | 21 | 34 | | | | | 20 | 45 | 21 | 34 | 20 | 48 | 21 | 23 |
| 2277 N | 22 | 03 | 53 | E 026.34 | В | 21 | 34 | 22 | 33 | 21 | 35 | 22 | 33 | 21 | 34 | 22 | 33 | | | | |
| 2278 D | 22 | 57 | 32 | W167.08 | В | 22 | 33 | 23 | 12 | | | | | 22 | 33 | 23 | 11 | 22 | 35 | 23 | 10 |
| 2278 N | 23 | 51 | 07 | W000.45 | | | | | | | | | | | | | | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 25 SEPTEMBER 1970

| DATA | A | SCEND | /DESC | END | | | IR | IS | | THI | RHU | IMIDIT | ГҮ | TEI | TH MPER | IR ATUR | E | | ID | cs | |
|--------|----|-------|-------|----------|-------|----------|----------|----------|----------|------|-----|--------|-----|-----|------------|------------|-----|-----|-----|----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 10 | V | 0 F | F | 01 | V | OF | F | 01 | V | OF | F |
| | HR | MIN | SEC | DEG | | HRI | MIN | HR | ΛIN | HR N | ΛIN | HRI | MIN | HRI | MIN | HR | MIN | HRI | ΛIN | HR | ΛIN |
| 2279 D | 00 | 44 | 46 | E 166.11 | | | | | | | | | | | | | | | | | |
| 2279 N | 01 | 38 | 21 | W027.26 | Α | 01 | 10 | 02 | 07 | 01 | 11 | 02 | 07 | 01 | 11 | 02 | 07 | | | | |
| 2280 D | 02 | 32 | 00 | E 139.32 | А | 02 | 07 | 02 | 55 | | | | | 02 | 07 | 02 | 55 | 02 | 10 | 02 | 51 |
| 2280 N | 03 | 25 | 35 | W054.09 | B/A | 02 | 55 | 03 | 54 | 02 | 56 | 03 | 54 | 02 | 55 | 03 | 54 | | | | |
| 2281 D | 04 | 19 | 14 | E 112.51 | В | 03 | 54 | 04 | 43 | | | | | 03 | 54 | 04 | 43 | 03 | 57 | 04 | 42 |
| 2281 N | 05 | 12 | 50 | W080.90 | A/B | 04 | 43 | 05 | 02 | 04 | 43 | 05 | 41 | 04 | 43 | 05 | 41 | | | | |
| 2282 D | 06 | 06 | 28 | E 085.70 | А | 06 | 17 | 06 | 30 | | | | | 05 | 41 | 06 | 30 | 05 | 44 | 06 | 26 |
| 2282 N | 07 | 00 | 04 | W107.69 | B/A | 06 | 30 | 07 | 29 | 06 | 31 | 07 | 29 | 06 | 30 | 07 | 29 | | | | |
| 2283 D | 07 | 53 | 42 | E 058.88 | В | 07 | 29 | 08 | 17 | | | | | 07 | 29 | 08 | 17 | 07 | 31 | 08 | 16 |
| 2283 N | 08 | 47 | 18 | W134.50 | A/B | 08 | 17 44 | 08 09 | 26 16 | 08 | 27 | 09 | 16 | 08 | 17 | 09 | 16 | | - | | |
| 2284 D | 09 | 40 | 56 | E 032.07 | Α | 09 | 16 | 10 | 04 | | | | | 09 | 16 | 10 | 04 | 09 | 18 | 10 | 04 |
| 2284 N | 10 | 34 | 32 | W161.32 | B/A | 10 | 04 | 10 | 09 | 10 | 11 | 11 | 03 | 10 | 04 | 11 | 03 | | | | |
| 2285 D | 11 | 28 | 10 | E 005.28 | В | 11 | 26 | 11 | 52 | | | | | 11 | 03 | 11 | 52 | 11 | 06 | 11 | 47 |
| 2285 N | 12 | 21 | 46 | E 171.86 | A/B | 11 | 52 | 12 | 50 | 11 | 58 | 12 | 50 | 11 | 52 | 12 | 50 | | | | |
| 2286 D | 13 | 15 | 25 | W021.53 | Α | 12 | 50 | 13 | 39 | | | | | 12 | 50 | 13 | 39 | 12 | 53 | 13 | 38 |
| 2286 N | 14 | 09 | 00 | E 145.04 | В | 13 | 39 | 14 | 38 | 13 | 43 | 14 | 38 | 13 | 43 | 14 | 38 | | | | |
| 2287 D | 15 | 02 | 39 | W048.36 | В | 14 | 38 | 15 | 25 | | | | | 14 | 38 | 15 | 25 | 14 | 40 | 15 | 25 |
| 2287 N | 15 | 56 | 14 | E 118.26 | A | 16 | 20 | 16 | 25 | 15 | 27 | 16 | 25 | 15 | 27 | 16 | 25 | | | | |
| 2288 D | 16 | 49 | 53 | W075.17 | Α | 16 | 25 | 17 | 13 | | | | | 16 | 25 | 17 | 08 | 16 | 27 | 17 | 05 |
| 2288 N | 17 | 43 | 28 | E 091.44 | В | 17 | 13 | 18 | 12 | 17 | 14 | 18 | 12 | 17 | 13 | 18 | 12 | | | | |
| 2289 D | 18 | 37 | 07 | W101.96 | B/A | 18 | 12 | 19 | 01 | | | | | 18 | 12 | 19 | 01 | 18 | 15 | 18 | 53 |
| 2289 N | 19 | 30 | 43 | E 064.63 | Α | 19 | 01 | 19 | 59 | 19 | 01 | 19 | 59 | 19 | 01 | 19 | 59 | | | | |
| 2290 D | 20 | 24 | 21 | W128.77 | A/B | 19 | 59 | 20 | 48 | | | | | 19 | 59 | 20 | 48 | 20 | 01 | 20 | 36 |
| 2290 N | 21 | 17 | 57 | E 037.80 | В | 20 | 48 | 21 | 47 | 20 | 48 | 21 | 47 | 20 | 48 | 21 | 47 | | | | |
| 2291 D | 22 | 11 | 35 | W155.59 | В | 21 22 | 47 33 | 22 22 | 26 36 | | | | | 21 | 47 | 22 | 36 | 21 | 49 | 22 | 24 |
| 2291 N | 23 | 05 | 11 | E 011.03 | Α | 22 | 36 | 23 | 34 | 22 | 36 | 23 | 33 | 22 | 36 | 23 | 34 | | | | |
| 2292 D | 23 | 58 | 49 | E 177.59 | Α | 23 | 34 | 00 | 22 | | | | | 23 | 34 | 00 | 22 | 23 | 36 | 00 | 18 |
| 2292 N | 00 | 52 | 25 | W015.80 | B/A | 00 | 22 | 01 | 21 | 00 | 30 | 01 | 21 | 00 | 22 | 01 | 21 | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 26 SEPTEMBER 1970

| DATA | А | SCEND | /DESC | END | up noo | | IR | IS | | ТНІ | RHL | IMIDI. | ГΥ | TE | TH MPER | IR RATUF | RE | | ID | CS | |
|--------|----|-------|-------|----------|--------|----|----------|----------|----------|-----|-----|--------|-----|----|------------|-------------|------|-----|-----|-----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | OF | F | 0 | V | OF | F | 0 | N | 01 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HRI | MIN | HRI | MIN | HR | NIN | HRI | VIIN | HRI | MIN | HRI | VIN |
| 2293 D | 01 | 46 | 03 | E 150.81 | В | 01 | 21 | 02 | 09 | | | | | 01 | 21 | 02 | 09 | 01 | 24 | 02 | 05 |
| 2293 N | 02 | 39 | 39 | W042.61 | В | 02 | 09 | 02 | 32 | 02 | 10 | 02 | 29 | 02 | 09 | 02 | 32 | | | | |
| 2294 D | 03 | 33 | 17 | E 123.99 | | | | | | | | | | | | | | | | | |
| 2294 N | 04 | 26 | 53 | W069.43 | В | 04 | 20 | 04 | 55 | 04 | 20 | 04 | 55 | 04 | 20 | 04 | 55 | | | | |
| 2295 D | 05 | 20 | 32 | E 097.17 | В | 04 | 55 | 05 | 44 | | | | | 04 | 55 | 05 | 44 | 04 | 58 | 05 | 40 |
| 2295 N | 06 | 14 | 07 | W096.21 | В | 05 | 44 | 05 | 57 | 05 | 45 | 05 | 57 | 05 | 44 | 05 | 58 | | | | |
| 2295 N | 06 | 14 | 07 | W096.21 | В | 06 | 03 | 06 | 43 | 06 | 03 | 06 | 43 | 06 | 03 | 06 | 43 | | | | |
| 2296 D | 07 | 07 | 46 | E 070.36 | В | 06 | 43 | 07 | 31 | | | | | 06 | 43 | 07 | 31 | 06 | 45 | 07 | 27 |
| 2296 N | 08 | 01 | 21 | W123.03 | A/B | 07 | 31 | 07 | 52 | 07 | 32 | 08 | 30 | 07 | 31 | 08 | 30 | | | | |
| 2297 D | 08 | 55 | 00 | E 043.57 | А | 08 | 44 | 09 | 18 | | | | | 08 | 30 | 09 | 18 | 08 | 32 | 09 | 18 |
| 2297 N | 09 | 48 | 36 | W149.84 | Α | 09 | 18 | 09 | 23 | 09 | 28 | 10 | 17 | 09 | 28 | 10 | 17 | | | | |
| 2298 D | 10 | 42 | 14 | E 016.76 | А | 10 | 40 | 11 | 06 | | | | | 10 | 17 | 11 | 06 | 10 | 20 | 11 | 02 |
| 2298 N | 11 | 35 | 50 | W176.67 | В | 11 | 06 | 12 | 04 | 11 | 13 | 12 | 04 | 11 | 13 | 12 | 04 | | | | |
| 2299 D | 12 | 29 | 28 | W010.07 | В | 12 | 04 | 12 | 53 | | | | | 12 | 04 | 12 | 53 | 12 | 07 | 12 | 48 |
| 2299 N | 13 | 23 | 04 | E 156.52 | Α | 12 | 53 48 | 12 13 | 58 52 | 12 | 58 | 13 | 52 | 12 | 58 | 13 | 52 | | | | |
| 2300 D | 14 | 16 | 42 | W036.88 | А | 13 | 52 | 14 | 40 | | | | | 13 | 52 | 14 | 40 | 13 | 54 | 14 | 36 |
| 2300 N | 15 | 10 | 18 | E 129.75 | В | 14 | 40 | 15 | 39 | 14 | 44 | 15 | 39 | 14 | 44 | 15 | 39 | | | | |
| 2301 D | 16 | 03 | 56 | W063.70 | В | 15 | 39 | 16 | 25 | | | | | 15 | 39 | 16 | 25 | 15 | 41 | 16 | 26 |
| 2301 N | 16 | 57 | 32 | E 102.92 | Α | | | | | 16 | 28 | 17 | 26 | 16 | 27 | 17 | 26 | | | | |
| 2302 D | 17 | 51 | 10 | W090.48 | Α | 17 | 55 | 18 | 14 | | | | | 17 | 26 | 18 | 09 | 17 | 29 | 18 | 07 |
| 2302 N | 18 | 44 | 46 | E 076.11 | В | 18 | 14 | 19 | 13 | 18 | 15 | 19 | 13 | 18 | 14 | 19 | 13 | | | | |
| 2303 D | 19 | 38 | 25 | W117.30 | B/A | 19 | 13 | 20 | 02 | | | | | 19 | 13 | 20 | 02 | 19 | 16 | 19 | 54 |
| 2303 N | 20 | 32 | 00 | E 049.29 | A | 20 | 02 | 21 | 00 | 20 | 02 | 21 | 00 | 20 | 02 | 21 | 00 | | | | |
| 2304 D | 21 | 25 | 39 | W144.11 | A/B | 21 | 00 | 21 | 49 | | | | | 21 | 00 | 21 | 49 | 21 | 03 | 21 | 38 |
| 2304 N | 22 | 19 | 14 | E 022.51 | В | 21 | 49 | 22 | 48 | 21 | 50 | 22 | 48 | 21 | 49 | 22 | 48 | | | | |
| 2305 D | 23 | 12 | 53 | W170.94 | В | 22 | 48 | 23 | 28 | | | | | 22 | 48 | 23 | 28 | 22 | 50 | 23 | 29 |
| 2305 N | 00 | 06 | 29 | W004.31 | Α | 23 | 34 | 00 | 35 | 23 | 37 | 00 | 35 | 23 | 36 | 00 | 35 | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 27 SEPTEMBER 1970

| DATA | A | SCEND | /DESC | END | шррос | | IR | IS | | ТНІ | RHL | IMIDI | ΤY | TE | TH MPER | IR ATUR | RE | | ID | cs | |
|--------|----|-------|-------|----------|-------|----|-----|----|-----|-----|-----|---------|-----|-----|------------|------------|-----|-----|-----|----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | OF | F | 01 | V | 01 | F | 0 | N | 01 | :F |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HRI | MIN | HR | MIN | HRI | MIN | HRI | MIN | HRI | MIN | HR | NIN |
| 2306 D | 01 | 00 | 07 | E 162.27 | Α | 00 | 35 | 01 | 23 | | | | ` | 00 | 35 | 01 | 23 | 00 | 38 | 01 | 23 |
| 2306 N | 01 | 53 | 43 | W031.13 | Α | 01 | 23 | 01 | 37 | 01 | 24 | 01 | 37 | 01 | 23 | 01 | 37 | | | | |
| 2307 D | 02 | 47 | 21 | E 135.46 | | | | | | | | | | | | | | | | | |
| 2307 N | 03 | 40 | 57 | W057.95 | В | 03 | 15 | 04 | 09 | 03 | 16 | 04 | 09 | 03 | 16 | 04 | 09 | | | | |
| 2308 D | 04 | 34 | 35 | E 108.65 | В | 04 | 09 | 04 | 58 | | | | | 04 | 09 | 04 | 58 | 04 | 12 | 04 | 54 |
| 2308 N | 05 | 28 | 11 | W084.73 | A/B | 04 | 58 | 05 | 57 | 04 | 59 | 05 | 57 | 04 | 58 | 05 | 57 | | v | | |
| 2309 D | 06 | 21 | 49 | E 081.83 | Α | 05 | 57 | 06 | 45 | | | | | 05 | 57 | 06 | 45 | 05 | 59 | 06 | 44 |
| 2309 N | 07 | 15 | 25 | W111.55 | B/A | 06 | 45 | 07 | 44 | 06 | 46 | 07 | 44 | 06 | 45 | 07 | 44 | | | | |
| 2310 D | 08 | 09 | 03 | E 055.05 | В | 07 | 44 | 08 | 32 | | | | | 07 | 44 | 08 | 32 | 07 | 46 | 08 | 28 |
| 2310 N | 09 | 02 | 39 | W136.36 | A/B | 08 | 32 | 08 | 39 | 08 | 41 | 09 | 31 | 08 | 32 | 09 | 31 | | | | |
| 2311 D | 09 | 56 | 18 | E 028.24 | Α | 10 | 12 | 10 | 24 | | | | | 09 | 31 | 10 | 20 | 09 | 33 | 10 | 15 |
| 2311 N | 10 | 49 | 53 | W165.19 | В | 10 | 52 | 11 | 18 | 10 | 26 | 11 | 18 | 10 | 26 | 11 | 18 | | | | |
| 2312 D | 11 | 43 | 32 | E 001.41 | В | 11 | 18 | 12 | 07 | | | | | 11 | 18 | 12 | 07 | 11 | 21 | 12 | 06 |
| 2312 N | 12 | 37 | 07 | E 168.04 | Α | 12 | 07 | 12 | 12 | 12 | 13 | 13 | 06 | 12 | 13 | 13 | 06 | | | | |
| 2313 D | 13 | 30 | 46 | W025.40 | Α | 13 | 42 | 13 | 54 | | | | | 13 | 06 | 13 | 54 | 13 | 80 | 13 | 50 |
| 2313 N | 14 | 24 | 21 | E 141.21 | В | 13 | 54 | 14 | 53 | 13 | 59 | 14 | 53 | 13 | 59 | 14 | 53 | | | | |
| 2314 D | 15 | 18 | 00 | W052.19 | В | 14 | 53 | 15 | 41 | | | | | 14 | 53 | 15 | 41 | 14 | 55 | 15 | 40 |
| 2314 N | 16 | 11 | 36 | E 114.40 | Α | 15 | 41 | 16 | 40 | 15 | 42 | 16 | 40 | 15 | 42 | 16 | 40 | | | | |
| 2315 D | 17 | 05 | 14 | W079.00 | Α | 16 | 40 | 17 | 28 | | | | | 16 | 40 | 17 | 25 | 16 | 42 | 17 | 24 |
| 2315 N | 17 | 58 | 50 | E 087.58 | В | 17 | 28 | 18 | 27 | 17 | 29 | 18 | 27 | 17 | 28 | 18 | 27 | | | | |
| 2316 D | 18 | 52 | 28 | W105.82 | B/A | 18 | 27 | 19 | 16 | | | | | 18 | 27 | 19 | 16 | 18 | 30 | 19 | 08 |
| 2316 N | 19 | 46 | 04 | E 060.77 | Α | 19 | 16 | 20 | 14 | 19 | 16 | 20 | 14 | 19 | 16 | 20 | 14 | | | | |
| 2317 D | 20 | 39 | 42 | W132.63 | A/B | 20 | 14 | 21 | 03 | | | | | 20 | 14 | 21 | 03 | 20 | 17 | 20 | 52 |
| 2317 N | 21 | 33 | 10 | E 033.98 | В | 21 | 03 | 22 | 02 | 21 | 04 | 22 | 02 | 21 | 03 | 22 | 02 | | | | |
| 2318 D | 22 | 26 | 56 | W159.46 | В | 22 | 02 | 22 | 50 | | | | | 22 | 02 | 22 | 40 | 22 | 04 | 22 | 39 |
| 2318 N | 23 | 20 | 32 | E 007.17 | Α | 22 | 50 | 23 | 49 | 22 | 51 | 23 | 49 | 22 | 50 | 23 | 49 | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 28 SEPTEMBER 1970

| DATA | A | SCEND | /DESC | END | uppee | | IR | IS | | THI | IR HL | JMIDI | ΤY | TE | TH MPER | IR ATUR | RE | | ID | cs | |
|--------|----|-------|-------|----------|-------|----------|----------|----|----------|-----|-------|-------|-----|----|------------|------------|-----|-----|-----|-----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | OF | F | 01 | V | 01 | F | 0 | N | 01 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HRI | MIN | HR | MIN | HR | MIN | HRI | MIN | HRI | MIN | HRI | MIN |
| 2319 D | 00 | 14 | 10 | E 173.77 | А | 23 | 49 | 00 | 37 | | | | | 23 | 49 | 00 | 37 | 23 | 51 | 00 | 37 |
| 2319 N | 01 | 07 | 46 | W019.66 | B/A | 00 | 37 | 01 | 36 | 00 | 38 | 01 | 36 | 00 | 37 | 01 | 36 | | | | |
| 2320 D | 02 | 01 | 25 | E 146.94 | В | 01 | 36 | 02 | 25 | | | | | 01 | 36 | 02 | 25 | 01 | 39 | 02 | 20 |
| 2320 N | 02 | 55 | 00 | W046.47 | В | 02 | 25 | 02 | 47 | 02 | 25 | 02 | 44 | 02 | 25 | 02 | 47 | | | | |
| 2321 D | 03 | 48 | 39 | E 120.13 | | | | | | | | | | | | | | | | | |
| 2321 N | 04 | 42 | 14 | W073.26 | В | 04 | 35 | 05 | 11 | 04 | 35 | 05 | 11 | 04 | 35 | 05 | 11 | | | | |
| 2322 D | 05 | 35 | 53 | E 093.31 | В | 05 | 11 | 05 | 59 | | | | | 05 | 11 | 05 | 59 | 05 | 13 | 05 | 55 |
| 2322 N | 06 | 29 | 29 | W100.07 | В | 05 | 59 | 06 | 12 | 06 | 00 | 06 | 11 | 05 | 59 | 06 | 11 | | | | |
| 2322 N | 06 | 29 | 29 | W100.07 | В | 06 | 17 | 06 | 58 | 06 | 18 | 06 | 58 | 06 | 18 | 06 | 58 | | | | |
| 2323 D | 07 | 23 | 07 | E 066.53 | В | 06 | 58 | 07 | 46 | | | | | 06 | 58 | 07 | 46 | 07 | 00 | 07 | 45 |
| 2323 N | 08 | 16 | 43 | W126.89 | A/B | 07 | 46 | 08 | 45 | 07 | 55 | 08 | 45 | 07 | 46 | 08 | 45 | | | | |
| 2324 D | 09 | 10 | 21 | E 039.71 | Α | 08 | 45 | 09 | 33 | | | | | 08 | 45 | 09 | 33 | 08 | 48 | 09 | 29 |
| 2324 N | 10 | 03 | 57 | W153.70 | B/A | 09 09 | 33 42 | 09 | 38 32 | 09 | 40 | 10 | 32 | 09 | 33 | 10 | 32 | | | | |
| 2325 D | 10 | 57 | 35 | E 012.90 | В | 10 | 32 | 11 | 21 | | | | - | 10 | 32 | 11 | 21 | 10 | 35 | 11 | 20 |
| 2325 N | 11 | 51 | 11 | E 179.51 | A/B | 11 | 21 | 12 | 19 | 11 | 26 | 12 | 19 | 11 | 21 | 12 | 19 | | | | |
| 2326 D | 12 | 44 | 49 | W013.93 | А | 12 | 19 | 13 | 08 | | | | | 12 | 19 | 13 | 08 | 12 | 22 | 13 | 07 |
| 2326 N | 13 | 38 | 25 | E 152.70 | B/A | 13 | 08 | 14 | 07 | 13 | 14 | 14 | 07 | 13 | 08 | 14 | 07 | | | | |
| 2327 D | 14 | 32 | 03 | W040.70 | В | 14 | 07 | 14 | 57 | | | | | 14 | 07 | 14 | 55 | 14 | 09 | 14 | 54 |
| 2327 N | 15 | 25 | 39 | E 125.87 | В | 15 | 02 | 15 | 54 | 15 | 04 | 15 | 54 | 15 | 04 | 15 | 54, | | | | |
| 2328 D | 16 | 19 | 18 | W067.53 | В | 15 | 54 | 16 | 40 | | | | | 15 | 54 | 16 | 40 | 15 | 56 | 16 | 38 |
| 2328 N | 17 | 12 | 53 | E 099.06 | В | 16 | 45 | 17 | 41 | 16 | 46 | 17 | 41 | 16 | 46 | 17 | 41 | | | | |
| 2329 D | 18 | 06 | 32 | W094.34 | В | 17 | 41 | 18 | 30 | | | | | 17 | 41 | 18 | 25 | 17 | 44 | 18 | 22 |
| 2329 N | 19 | 00 | 07 | E 072.27 | Α | 18 | 30 | 19 | 28 | 18 | 31 | 19 | 29 | 18 | 30 | 19 | 28 | | | | |
| 2330 D | 19 | 53 | 46 | W121.16 | A/B | 19 | 28 | 20 | 17 | | | | | 19 | 28 | 20 | 17 | 19 | 31 | 20 | 09 |
| 2330 N | 20 | 47 | 22 | E 045.46 | В | 20 | 17 | 21 | 16 | 20 | 17 | 21 | 16 | 20 | 17 | 21 | 16 | | | | |
| 2331 D | 21 | 41 | 00 | W147.94 | В | 21 | 16 | 21 | 55 | | | | | 21 | 16 | 21 | 55 | 21 | 18 | 21 | 53 |
| 2331 N | 22 | 34 | 36 | E 018.65 | | | | | | | | | | - | | | | - | | | |
| 2332 D | 23 | 28 | 14 | W174.76 | Α | 23 | 28 | 23 | 51 | | | | | 23 | 28 | 23 | 51 | 23 | 30 | 23 | 47 |
| 2332 N | 00 | 21 | 50 | W008.18 | Α | 23 | 51 | 00 | 50 | 23 | 52 | 00 | 18 | 23 | 51 | 00 | 50 | | | | |
| 2332 N | 00 | 21 | 50 | W008.18 | Α | | | | | 00 | 23 | 00 | 50 | | | | | | | | |
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TABLE 2-2 SENSOR ON- OFF TIMES DATE 29 SEPTEMBER 1970

| DATA | A | SCEND | /DESC | END | HDRSS | | IR | IS | | TH | IR HI | IMIDI | TY | TE | TH | IR ATUI | RE | | ID | CS | |
|--------|----|-------|-------|----------|-------|----|------|----|-----|-----|-------|-------|-----|----|-----|------------|-----|----|-----|----|-----|
| ORBIT | | TIME | | LONG | ппиоо | 0 | N | OF | F | 0 | N | OF | F | 0 | N | 0 | FF | 0 | N | 0 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | VIN | HR | MIN |
| 2333 D | 01 | 15 | 28 | E 158.42 | Α | 00 | 50 | 01 | 31 | | | | | 00 | 50 | 01 | 10 | 00 | 53 | 01 | 07 |
| 2333 D | 01 | 15 | 28 | E 158.42 | Α | | | | | | | | | 01 | 20 | 01 | 31 | | | | |
| 2333 N | 02 | 09 | 04 | W034.99 | | | | | | | | | | | | | | | | | |
| 2334 D | 03 | 02 | 42 | E 131.60 | | | | | | | | | | | | | | | | | |
| 2334 N | 03 | 56 | 18 | W061.78 | В | 03 | 30 | 04 | 25 | 03 | 31 | 04 | 25 | 03 | 31 | 04 | 25 | | | | |
| 2335 D | 04 | 49 | 56 | E 104.79 | В | 04 | 25 | 05 | 13 | | | | | 04 | 25 | 05 | 13 | 04 | 27 | 05 | 12 |
| 2335 N | 05 | 43 | 32 | W088.59 | A/B | 05 | 13 | 06 | 12 | 05 | 14 | 06 | 12 | 05 | 13 | 06 | 12 | | | | |
| 2336 D | 06 | 37 | 10 | E 078.00 | Α | 06 | 12 | 07 | 00 | | | | | 06 | 12 | 07 | 00 | 06 | 15 | 06 | 56 |
| 2336 N | 07 | 30 | 46 | W115.41 | B/A | 07 | 00 | 07 | 59 | 07 | 01 | 07 | 59 | 07 | 00 | 07 | 59 | | | | |
| 2337 D | 08 | 24 | 25 | E 051.19 | В | 07 | 59 | 08 | 47 | | | | | 07 | 59 | 08 | 47 | 08 | 02 | 08 | 43 |
| 2337 N | 09 | 18 | 00 | W142.22 | A/B | 08 | 47 | 09 | 46 | 08 | 56 | 09 | 46 | 08 | 47 | 09 | 46 | | | | |
| 2338 D | 10 | 11 | 39 | E 024.36 | Α | 09 | 46 | 10 | 35 | | | | | 09 | 46 | 10 | 35 | 09 | 49 | 10 | 34 |
| 2338 N | 11 | 05 | 15 | W169.01 | B/A | 10 | 35 | 11 | 33 | 10 | 42 | 11 | 34 | 10 | 35 | 11 | 33 | | | | |
| 2339 D | 11 | 58 | 53 | W002.45 | В | 11 | 33 | 12 | 22 | | | | | 11 | 33 | 12 | 22 | 11 | 36 | 12 | 21 |
| 2339 N | 12 | 52 | 29 | E 164.18 | Α | 12 | 22 | 13 | 21 | 12 | 30 | 13 | 21 | 12 | 30 | 13 | 09 | | | | |
| 2340 D | 13 | 46 | 07 | W029.24 | Α | 13 | 21 | 14 | 09 | | | | | | | | | 13 | 23 | 14 | 08 |
| 2340 N | 14 | 39 | 43 | E 137.55 | В | 14 | 09 | 15 | 80 | 14 | 15 | 15 | 08 | 14 | 15 | 15 | 80 | | | | |
| 2341 D | 15 | 33 | 21 | W056.05 | В | 15 | 08 | 15 | 56 | | | | | 15 | 80 | 15 | 56 | 15 | 10 | 15 | 55 |
| 2341 N | 16 | 26 | 57 | E 110.54 | Α | 15 | 56 | 16 | 55 | 15 | 57 | 16 | 55 | 15 | 57 | 16 | 55 | | | | |
| 2342 D | 17 | 20 | 35 | W082.36 | Α | 16 | 55 | 17 | 44 | | | | | 16 | 55 | 17 | 40 | 16 | 58 | 17 | 39 |
| 2342 N | 18 | 14 | 11 | E 083.75 | В | 17 | 44 | 18 | 42 | 17 | 45 | 18 | 43 | 17 | 44 | 18 | 42 | | | | |
| 2343 D | 19 | 07 | 49 | W109.68 | B/A | 18 | 42 | 19 | 31 | | | | | 18 | 42 | 19 | 31 | 18 | 45 | 19 | 20 |
| 2343 N | 20 | 01 | 25 | E 056.94 | Α | 19 | 31 | 20 | 30 | 19 | 32 | 20 | 30 | 19 | 31 | 20 | 30 | | | | |
| 2344 D | 20 | 55 | 03 | W136.46 | A/B | 20 | 30 | 21 | 18 | | | | | 20 | 30 | 21 | 18 | 20 | 32 | 21 | 07 |
| 2344 N | 21 | 48 | 39 | E 030.12 | В | 21 | 18 | 22 | 17 | 21 | 19 | 22 | 17 | 21 | 18 | 22 | 17 | | - 5 | - | |
| 2345 D | 22 | 42 | 18 | W163.28 | B/A | 22 | - 17 | 23 | 05 | .A. | | | | 22 | 17 | 23 | 05 | 22 | 19 | 22 | 54 |
| 2345 N | 23 | 35 | 53 | E 003.31 | Α | 23 | 05 | 00 | 04 | 23 | 06 | 00 | 04 | 23 | 05 | 00 | 04 | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 30 SEPTEMBER 1970

| DATA | A | SCEND | /DESC | END | | | IR | IS | | тн | IR HU | IMIDI | TY | TE | TH | IR ATUI | RE | | ID | cs | |
|--------|----|-------|-------|----------|-------|----|-----|----|-----|----|-------|-------|-----|----|-----|------------|-----|----|-----|----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | 01 | F | 0 | N | 01 | FF | 0 | N | 0 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN |
| 2346 D | 00 | 29 | 32 | E 169.90 | Α | 00 | 04 | 00 | 52 | | | | | 00 | 04 | 00 | 52 | 00 | 07 | 00 | 48 |
| 2346 N | 01 | 23 | 07 | W023.48 | B/A | 00 | 52 | 01 | 51 | 01 | 01 | 01 | 51 | 00 | 52 | 01 | 51 | | | | |
| 2347 D | 02 | 16 | 46 | E 143.09 | В | 01 | 51 | 02 | 40 | | | | | 01 | 51 | 02 | 40 | 01 | 54 | 02 | 36 |
| 2347 N | 03 | 10 | 22 | W050.28 | В | 02 | 40 | 03 | 03 | | | | | | | | | | | | |
| 2348 D | 04 | 04 | 00 | E 116.32 | | | | | | | | | | | | | | | | | |
| 2348 N | 04 | 57 | 36 | W077.11 | В | 04 | 49 | 05 | 26 | 04 | 50 | 05 | 26 | 04 | 50 | 05 | 26 | | | | |
| 2349 D | 05 | 51 | 14 | E 089.49 | В | 05 | 26 | 06 | 14 | | | | | 05 | 26 | 06 | 14 | 05 | 28 | 06 | 10 |
| 2349 N | 06 | 44 | 50 | W103.92 | A/B | 06 | 14 | 07 | 13 | 06 | 15 | 07 | 13 | 06 | 14 | 07 | 13 | | | | |
| 2350 D | 07 | 38 | 28 | E 062.68 | А | 07 | 13 | 08 | 01 | | | | | 07 | 13 | 08 | 01 | 07 | 15 | 07 | 57 |
| 2350 N | 08 | 32 | 04 | W130.74 | B/A | 08 | 01 | 09 | 00 | 08 | 10 | 09 | 01 | 08 | 01 | 09 | 00 | | | | |
| 2351 D | 09 | 25 | 42 | E 035.85 | В | 09 | 00 | 09 | 45 | | | | | 09 | 00 | 09 | 49 | 09 | 03 | 09 | 48 |
| 2351 N | 10 | 19 | 18 | W157.52 | A/B | 09 | 52 | 10 | 47 | 09 | 55 | 10 | 48 | 09 | 49 | 10 | 47 | | | | |
| 2352 D | 11 | 12 | 56 | E 009.04 | А | 10 | 47 | 11 | 36 | | | | | 10 | 47 | 11 | 36 | 10 | 50 | 11 | 32 |
| 2352 N | 12 | 06 | 32 | E 175.66 | В | 11 | 36 | 12 | 35 | 11 | 41 | 12 | 35 | 11 | 41 | 12 | 35 | | | | |
| 2353 D | 13 | 00 | 10 | W017.75 | В | 12 | 35 | 13 | 23 | | | | | 12 | 35 | 13 | 23 | 12 | 37 | 13 | 19 |
| 2353 N | 13 | 53 | 46 | E 148.84 | A/B | 13 | 23 | 14 | 22 | 13 | 29 | 14 | 23 | 13 | 23 | 14 | 22 | | | | |
| 2354 D | 14 | 47 | 25 | W044.56 | Α | 14 | 22 | 15 | 10 | | | | | 14 | 22 | 15 | 10 | 14 | 24 | 15 | 09 |
| 2354 N | 15 | 41 | 00 | E 122.02 | В | 15 | 10 | 16 | 09 | 15 | 13 | 16 | 09 | 15 | 13 | 16 | 09 | | | | |
| 2355 D | 16 | 34 | 39 | W071.38 | В | 16 | 09 | 16 | 58 | | | | | 16 | 09 | 16 | 55 | 16 | 11 | 16 | 53 |
| 2355 N | 17 | 28 | 15 | E 095.24 | Α | 16 | 58 | 17 | 56 | 16 | 59 | 17 | 56 | 16 | 58 | 17 | 56 | | | | |
| 2356 D | 18 | 21 | 53 | W098.19 | A/B | 17 | 56 | 18 | 39 | | | | | 17 | 56 | 18 | 45 | 17 | 59 | 18 | 37 |
| 2356 N | 19 | 15 | 29 | E 068.42 | В | 18 | 44 | 19 | 44 | 18 | 46 | 19 | 44 | 18 | 45 | 19 | 44 | | | | |
| 2357 D | 20 | 09 | 07 | W124.98 | В | 19 | 44 | 20 | 32 | | | | | 19 | 44 | 20 | 24 | 19 | 46 | 20 | 17 |
| 2357 N | 21 | 02 | 43 | E 041.61 | Α | 20 | 32 | 21 | 31 | 20 | 33 | 21 | 31 | | | | | | | | |
| 2358 D | 21 | 56 | 21 | W151.79 | А | 21 | 31 | 22 | 19 | | | | | | | | | 21 | 33 | 22 | 11 |
| 2358 N | 22 | 49 | 57 | E 014.78 | Α | 22 | 19 | 23 | 18 | 22 | 20 | 23 | 18 | 22 | 19 | 23 | 18 | | | | |
| 2359 D | 23 | 43 | 35 | W178.62 | Α | 23 | 18 | 00 | 06 | | | | | 23 | 18 | 00 | 06 | 23 | 21 | 00 | 02 |
| 2359 N | 00 | 37 | 11 | W011.99 | Α | 00 | 06 | 00 | 19 | 00 | 08 | 00 | 18 | 00 | 06 | 00 | 19 | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
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TABLE 2-2 SENSOR ON- OFF TIMES DATE 1 OCTOBER 1970

| DATA | A | SCEND | /DESC | END | UDDCC | | IR | IS | | ТНІ | RHL | MIDI | TY | TE | TH MPER | IR ATUR | E | | ID | cs | |
|--------|----|-------|-------|----------|-------|----------|----------|----------|----------|-----|-----|------|-----|----|------------|------------|-----|-----|-----|----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | 0F | F | 0 | N | OF | F | 01 | V | OF | F | 0 | N | 01 | FF |
| | HR | MIN | SEC | DEG | | HRI | MIN | HR | MIN | HRI | NIN | HR | MIN | HR | MIN | HR I | NIN | HRI | MIN | HR | MIN |
| 2360 D | 01 | 30 | 49 | E 154.57 | | | | | | | | | | | | | | | | | |
| 2360 N | 02 | 24 | 25 | W038.82 | | | | | | | | | | | | | | | | | |
| 2361 D | 03 | 18 | 03 | E 127.78 | - | | | | | | | | | | | | | | | | |
| 2361 N | 04 | 11 | 39 | W065.63 | В | 03 | 42 | 04 | 40 | 03 | 46 | 04 | 39 | 03 | 46 | 04 | 40 | | | | |
| 2362 D | 05 | 05 | 18 | E 100.97 | В | 04 | 40 | 05 | 28 | | | | | 04 | 40 | 05 | 28 | 04 | 42 | 05 | 27 |
| 2362 N | 05 | 58 | 53 | W092.44 | В | 05 05 | 28 49 | 05 06 | 42 27 | 05 | 29 | 05 | 42 | 05 | 28 | 05 | 42 | | | | |
| 2363 D | 06 | 52 | 32 | E 074.15 | В | 06 | 27 | 07 | 15 | | | | | | | | | 06 | 29 | 07 | 15 |
| 2363 N | 07 | 46 | 07 | W119.23 | Α | 07 | 15 | 08 | 14 | 07 | 32 | 08 | 15 | 07 | 31 | 08 | 14 | | | | |
| 2364 D | 08 | 39 | 46 | E 047.34 | Α | 08 | 14 | 09 | 03 | | | | | 08 | 14 | 09 | 03 | 08 | 17 | 09 | 02 |
| 2364 N | 09 | 33 | 22 | W146.04 | B/A | 09 | 03 | 10 | 01 | 09 | 10 | 10 | 02 | 09 | 03 | 10 | 01 | | | | |
| 2365 D | 10 | 27 | 00 | E 020.55 | В | 10 | 01 | 10 | 50 | | | | | 10 | 01 | 10 | 50 | 10 | 04 | 10 | 49 |
| 2365 N | 11 | 20 | 36 | W172.86 | A/B | 10 | 50 | 11 | 49 | 10 | 58 | 11 | 48 | 10 | 50 | 11 | 49 | | | | |
| 2366 D | 12 | 14 | 14 | W006.26 | Α | 11 | 49 | 12 | 24 | | | | | 11 | 49 | 12 | 37 | 11 | 51 | 12 | 33 |
| 2366 N | 13 | 07 | 50 | E 160.33 | B/A | | | | | 12 | 45 | 13 | 36 | 12 | 37 | 13 | 36 | | | | |
| 2367 D | 14 | 01 | 28 | W033.09 | В | | | | | | | | | 13 | 36 | 14 | 24 | 13 | 38 | 14 | 20 |
| 2367 N | 14 | 55 | 04 | E 133.50 | Α | | | | | 14 | 28 | 15 | 23 | 14 | 28 | 15 | 23 | | | | |
| 2368 D | 15 | 48 | 42 | W059.90 | Α | | | | | | | | | 15 | 23 | 16 | 10 | 15 | 25 | 16 | 11 |
| 2368 N | 16 | 42 | 18 | E 106.73 | В | | | | | 16 | 13 | 17 | 10 | 16 | 11 | 17 | 10 | | | | |
| 2369 D | 17 | 35 | 56 | W086.71 | В | | | | | | | | | 17 | 10 | 17 | 56 | 17 | 13 | 17 | 51 |
| 2369 N | 18 | 29 | 32 | E 079.90 | Α | | | | | 18 | 00 | 18 | 57 | 17 | 59 | 18 | 57 | | | | |
| 2370 D | 19 | 23 | 10 | W113.50 | A/B | | | | | | | | | 18 | 57 | 19 | 46 | 19 | 00 | 19 | 38 |
| 2370 N | 20 | 16 | 46 | E 053.09 | В | | | | | 19 | 47 | 20 | 45 | 19 | 46 | 20 | 45 | | | | |
| 2371 D | 21 | 10 | 25 | W140.31 | B/A | | | | | | | | | 20 | 45 | 21 | 33 | 20 | 47 | 21 | 25 |
| 2371 N | 22 | 04 | 00 | E 026.26 | Α | | | | | 21 | 34 | 22 | 32 | 21 | 33 | 22 | 32 | | | | |
| 2372 D | 22 | 57 | 39 | W167.14 | Α | | | | | | | | | 22 | 32 | 23 | 12 | 22 | 35 | 23 | 09 |
| 2372 N | 23 | 51 | 15 | W000.51 | Α | 23 | 34 | 00 | 19 | 23 | 22 | 00 | 19 | 23 | 20 | 00 | 19 | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 2 OCTOBER 1970

| DATA | А | SCEND | /DESC | END | | | IR | IS | | тні | RHU | IMIDI. | ΓY | TE | TH MPER | IR ATUF | RE | | ID | cs | |
|--------|----|-------|-------|----------|-------|----|-----|----|-----|-----|-----|--------|-----|----|------------|------------|-----|------|-----|-----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | 0F | F | 0 | N | OF | F | 01 | V | OF | F | 0 | N | 01 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HRI | MIN | HRI | MIN | HR | MIN | HRI | MIN | HRI | MIN | HRI | MIN |
| 2373 D | 00 | 44 | 53 | E 166.05 | Α | 00 | 19 | 01 | 08 | | | | | 00 | 19 | 01 | 08 | 00 | 22 | 01 | 03 |
| 2373 N | 01 | 38 | 29 | W027.33 | B/A | 01 | 08 | 02 | 06 | 01 | 09 | 02 | 07 | 01 | 08 | 02 | 06 | | | | |
| 2374 D | 02 | 32 | 07 | E 139.26 | В | 02 | 06 | 02 | 55 | | | | | 02 | 06 | 02 | 55 | 02 | 09 | 02 | 51 |
| 2374 N | 03 | 25 | 43 | W054.15 | В | 02 | 55 | 03 | 19 | 02 | 56 | 03 | 18 | 02 | 55 | 03 | 18 | | | | |
| 2375 D | 04 | 19 | 21 | E 112.45 | | | | | | | | | | | | | | | | | |
| 2375 N | 05 | 12 | 57 | W080.97 | В | 05 | 05 | 05 | 41 | 05 | 05 | 05 | 41 | 05 | 05 | 05 | 41 | | | | |
| 2376 D | 06 | 06 | 35 | E 085.63 | В | 05 | 41 | 06 | 29 | | | | | 05 | 41 | 06 | 29 | 05 | 43 | 06 | 25 |
| 2376 N | 07 | 00 | 11 | W107.75 | В | 06 | 29 | 07 | 28 | 06 | 30 | 06 | 43 | 06 | 29 | 07 | 28 | | | | |
| 2376 N | 07 | 00 | 11 | W107.75 | Α | | | | | 06 | 49 | 07 | 29 | | | | | | | | |
| 2377 D | 07 | 53 | 49 | E 058.82 | Α | 07 | 28 | 08 | 17 | | | | | 07 | 28 | 08 | 17 | 07 | 31 | 08 | 12 |
| 2377 N | 08 | 47 | 25 | W134.57 | B/A | 08 | 17 | 09 | 15 | 08 | 29 | 09 | 16 | 08 | 17 | 09 | 15 | | | | |
| 2378 D | 09 | 41 | 03 | E 032.03 | В | 09 | 15 | 10 | 04 | | | | | 09 | 15 | 10 | 04 | 09 | 18 | 10 | 00 |
| 2378 N | 10 | 34 | 39 | W161.38 | Α | 10 | 04 | 11 | 03 | 10 | 12 | 11 | 03 | 10 | 14 | 11 | 03 | | | | |
| 2379 D | 11 | 28 | 18 | E 005.22 | A | 11 | 03 | 11 | 51 | | | | | 11 | 03 | 11 | 51 | 11 | 05 | 11 | 47 |
| 2379 N | 12 | 21 | 53 | E 171.79 | B/A | 11 | 51 | 12 | 50 | 11 | 58 | 12 | 50 | 11 | 51 | 12 | 50 | | | | |
| 2380 D | 13 | 15 | 32 | W021.61 | В | 12 | 50 | 13 | 38 | | | | | 12 | 50 | 13 | 38 | 12 | 52 | 13 | 34 |
| 2380 N | 14 | 09 | 07 | E 145.02 | Α | 13 | 38 | 14 | 37 | 13 | 43 | 14 | 37 | 13 | 43 | 14 | 37 | | | | |
| 2381 D | 15 | 02 | 46 | W048.42 | Α | 14 | 37 | 15 | 26 | | | | | 14 | 37 | 15 | 25 | 14 | 39 | 15 | 21 |
| 2381 N | 15 | 56 | 22 | E 118.19 | В | | | - | | 15 | 27 | 16 | 24 | 15 | 27 | 16 | 24 | | | | |
| 2382 D | 16 | 50 | 00 | W075.21 | В | 17 | 00 | 17 | 13 | | | | | 16 | 24 | 17 | 09 | 16 | 27 | 17 | 08 |
| 2382 N | 17 | 43 | 36 | E 091.38 | . A | 17 | 13 | 18 | 11 | 17 | 14 | 18 | 12 | 17 | 13 | 18 | 11 | | | | |
| 2383 D | 18 | 37 | 14 | W102.02 | Α | 18 | 11 | 19 | 00 | | | | | 18 | 11 | 18 | 54 | 18 | 14 | 18 | 52 |
| 2383 N | 19 | 30 | 50 | E 064.56 | В | 19 | 00 | 19 | 59 | 19 | 01 | 19 | 59 | 19 | 00 | 19 | 59 | | | | |
| 2384 D | 20 | 24 | 28 | W128.84 | Α | 19 | 59 | 20 | 47 | | | | | 19 | 59 | 20 | 47 | . 20 | 01 | 20 | 39 |
| 2384 N | 21 | 18 | 04 | E 037.75 | Α | 20 | 47 | 21 | 46 | 20 | 48 | 21 | 46 | 20 | 47 | 21 | 46 | | | | |
| 2385 D | 22 | 11 | 42 | W155.65 | Α | 21 | 46 | 22 | 27 | | | | | 21 | 46 | 22 | 27 | 21 | 48 | 22 | 26 |
| 2385 N | 23 | 05 | 18 | E 010.96 | Α | | | | | 22 | 36 | 23 | 32 | 22 | 34 | 23 | 33 | | | | |
| 2386 D | 23 | 58 | 56 | E 177.52 | Α | | | | | | | | | 23 | 33 | 00 | 22 | 23 | 36 | 00 | 21 |
| 2386 N | 00 | 52 | 32 | W015.85 | Α | | | | | | | | | 00 | 22 | 00 | 36 | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 3 OCTOBER 1970

| DATA | A | SCEND | /DESC | END | uppee | | IR | IS | | ТНІ | RHU | IMIDI. | TY . | TEI | TH | IR ATUR | E | | ID | cs | |
|--------|----|-------|-------|----------|-------|-----|-----|-----|-----|-----|-----|--------|------|-----|-----|------------|-----|-----|-----|----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 01 | N | OF | F | 01 | ¥ | OF | F | . 0 | N | 01 | FF |
| | HR | MIN | SEC | DEG | | HRI | MIN | HRI | MIN | HR | MIN | HR | MIN | HRI | MIN | HR | MIN | HRI | MIN | HR | MIN |
| 2387 D | 01 | 46 | 10 | E 150.75 | | | | | | | | | | | | | | | | | |
| 2387 N | 02 | 39 | 46 | W042.68 | В | | | | | 02 | 27 | 03 | 08 | 02 | 25 | 03 | 80 | | | | |
| 2388 D | 03 | 33 | 25 | E 123.92 | В | | | | | | | | | 03 | 80 | 03 | 56 | 03 | 10 | 03 | 55 |
| 2388 N | 04 | 27 | 00 | W069.49 | В | | | | | 03 | 57 | 04 | 12 | 03 | 56 | 04 | 16 | | | | |
| 2388 N | 04 | 27 | 00 | W069.49 | В | | | | | 04 | 24 | 04 | 54 | 04 | 24 | 04 | 55 | | | | |
| 2389 D | 05 | 20 | 39 | E 097.11 | В | | | | | | | | | 04 | 55 | 05 | 43 | 04 | 57 | 05 | 42 |
| 2389 N | 06 | 14 | 15 | W096.28 | В | 06 | 09 | 06 | 42 | 05 | 45 | 05 | 58 | 05 | 43 | 05 | 58 | | | | |
| 2389 N | 06 | 14 | 15 | W096.28 | В | | | | | 06 | 06 | 06 | 41 | 06 | 06 | 06 | 42 | | | | |
| 2390 D | 07 | 07 | 53 | E 070.29 | В | 06 | 42 | 07 | 30 | | | | | 06 | 42 | 07 | 30 | 06 | 45 | 07 | 26 |
| 2390 N | 08 | 01 | 29 | W123.09 | A/B | 07 | 30 | 08 | 29 | 07 | 42 | 08 | 30 | 07 | 30 | 08 | 29 | | | | |
| 2391 D | 08 | 55 | 07 | E 043.51 | Α | 08 | 29 | 09 | 18 | | | | | 08 | 29 | 09 | 18 | 08 | 32 | 09 | 13 |
| 2391 N | 09 | 48 | 43 | W149.90 | B/A | 09 | 18 | 10 | 16 | 09 | 28 | 10 | 17 | 09 | 18 | 10 | 16 | | | | |
| 2392 D | 10 | 42 | 21 | E 016.69 | В | 10 | 16 | 11 | 05 | | | | | 10 | 16 | 11 | 05 | 10 | 19 | 11 | 04 |
| 2392 N | 11 | 35 | 57 | W176.73 | Α | 11 | 05 | 12 | 04 | 11 | 14 | 12 | 04 | 11 | 14 | 12 | 04 | | | | |
| 2393 D | 12 | 29 | 35 | W010.13 | Α | 12 | 04 | 12 | 52 | | | | | 12 | 04 | 12 | 52 | 12 | 06 | 12 | 51 |
| 2393 N | 13 | 23 | 11 | E 156.50 | В | 12 | 52 | 13 | 51 | 12 | 59 | 13 | 51 | 12 | 59 | 13 | 51 | | | | |
| 2394 D | 14 | 16 | 49 | W036.95 | В | 13 | 51 | 14 | 39 | | | | | 13 | 51 | 14 | 39 | 13 | 53 | 14 | 38 |
| 2394 N | 15 | 10 | 25 | E 129.67 | Α | 14 | 39 | 15 | 38 | 14 | 44 | 15 | 39 | 14 | 44 | 15 | 38 | | | | |
| 2395 D | 16 | 04 | 03 | W063.73 | Α | 15 | 38 | 16 | 27 | | | | | 15 | 38 | 16 | 24 | 15 | 41 | 16 | 22 |
| 2395 N | 16 | 57 | 39 | E 102.86 | В | 16 | 27 | 17 | 25 | 16 | 28 | 17 | 26 | 16 | 27 | 17 | 25 | | | | |
| 2396 D | 17 | 51 | 18 | W090.55 | В | 17 | 25 | 18 | 14 | | | | | 17 | 25 | 18 | 13 | 17 | 28 | 18 | 09 |
| 2396 N | 18 | 44 | 53 | E 076.04 | Α | 18 | 14 | 19 | 13 | 18 | 15 | 19 | 13 | 18 | 14 | 19 | 13 | | | | |
| 2397 D | 19 | 38 | 32 | W117.36 | A/B | 19 | 13 | 20 | 01 | | | | | 19 | 13 | 20 | 01 | 19 | 15 | 19 | 54 |
| 2397 N | 20 | 32 | 08 | E 049.26 | В | 20 | 01 | 21 | 00 | 20 | 02 | 20 | 59 | 20 | 01 | 21 | 00 | | | | |
| 2398 D | 21 | 25 | 46 | W144.19 | В | 21 | 00 | 21 | 41 | | | - | | 21 | 00 | 21 | 41 | 21 | 02 | 21 | 41 |
| 2398 N | 22 | 19 | 22 | E 022.44 | | | | | | | | | | | | | | | | | |
| 2399 D | 23 | 13 | 00 | W170.96 | Α | | | | | | | | | 23 | 30 | 23 | 36 | | | | |
| 2399 N | 00 | 06 | 36 | W004.37 | Α | | | | | 23 | 37 | 00 | 35 | 23 | 36 | 00 | 34 | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 4 OCTOBER 1970

| HR MIN SEC DEG HR MIN H | 59 33 | HR 01 01 03 06 10 10 | 40 |
|--|----------------|----------------------|----------|
| 2400 D 01 00 14 E 162.23 A | 37 24 59 | 01 03 06 10 | 19 06 40 |
| 2400 N 01 53 50 W031.20 B/A 01 24 02 22 01 23 02 22 2401 D 02 47 28 E 135.40 B 03 11 03 31 03 10 02 22 03 10 02 2401 N 03 41 04 W058.01 B 03 11 03 31 03 10 03 31 2402 D 04 34 42 E 108.59 0 0 05 24 05 56 05 24 05 56 2402 N 05 28 18 W084.80 B 0 05 24 05 56 05 24 05 56 2403 N 07 15 32 W111.61 B 07 17 07 43 06 46 07 02 06 44 07 02 <td< th=""><th>59</th><th>03</th><th>40</th></td<> | 59 | 03 | 40 |
| 2401 D 02 47 28 E 135.40 B | 59 | 06 | 40 |
| 2401 N 03 41 04 W058.01 B 03 11 03 31 03 10 03 31 2402 D 04 34 42 E 108.59 05 24 05 56 05 24 05 56 05 24 05 56 05 24 05 56 06 44 05 2403 D 06 21 56 E 081.77 B 05 24 05 56 06 44 05 2403 N 07 15 32 W111.61 B 07 17 07 43 06 46 07 02 06 44 07 02 2403 N 07 15 32 W111.61 B 07 43 08 32 08 46 07 02 06 44 07 02 2404 D 08 09 11 E 054.99 B 07 | 59 | 06 | 40 |
| 2402 D 04 34 42 E 108.59 | | 10 | |
| 2402 N 05 28 18 W084.80 B 05 24 05 56 05 24 05 56 06 24 05 56 06 24 05 56 06 44 05 2403 N 07 15 32 W111.61 B 07 17 07 43 06 46 07 02 06 44 07 02 2403 N 07 15 32 W111.61 B 07 17 07 43 06 46 07 02 06 44 07 02 2404 D 08 09 11 E 054.99 B 07 43 08 32 07 43 08 32 2404 N 09 02 46 W138.43 B 08 32 08 45 09 31 08 32 08 40 08 45 09 30 08 45 09 30 08 45 09 30 08 45 09 | | 10 | |
| 2403 D 06 21 56 E 081.77 B | | 10 | |
| 2403 N 07 15 32 W111.61 B 07 17 07 43 06 46 07 02 06 44 07 02 2403 N 07 15 32 W111.61 B | | 10 | |
| 2403 N 07 15 32 W111.61 B 07 43 08 32 07 43 08 32 07 43 08 32 07 43 08 32 07 43 08 32 08 40 08 45 09 31 08 32 08 40 40 45 09 31 08 32 08 40 40 45 09 31 08 32 08 40 40 45 09 31 08 32 08 40 40 45 09 31 08 32 08 40 40 45 09 31 08 32 08 40 | 33 | | 18 |
| 2404 D 08 09 11 E 054.99 B 07 43 08 32 07 43 08 32 2404 N 09 02 46 W138.43 B 08 32 08 40 08 45 09 31 08 32 08 40 2404 N 09 02 46 W138.43 B 08 45 09 30 08 45 09 30 2405 D 09 56 25 E 028.17 B 09 30 10 19 09 30 10 19 09 30 10 19 09 30 10 19 09 30 10 19 09 30 10 19 09 30 10 19 09 30 10 19 09 30 10 19 09 30 10 19 11 18 10 19 11 18 10 19 11 18 10 19 | 33 | | 18 |
| 2404 N 09 02 46 W138.43 B 08 32 08 40 08 45 09 31 08 32 08 40 2404 N 09 02 46 W138.43 B 08 45 09 30 08 45 09 30 2405 D 09 56 25 E 028.17 B 09 30 10 19 09 30 10 19 09 30 10 19 09 30 10 19 09 30 10 19 09 30 10 19 09 30 10 19 09 30 10 19 09 30 10 19 09 30 10 19 09 30 10 19 09 30 10 19 11 18 10 19 11 18 10 19 11 18 10 19 11 18 11 18 12 06 11 11 18 12 06 | 33 | | 18 |
| 2404 N 09 02 46 W138.43 B 08 45 09 30 08 45 09 30 2405 D 09 56 25 E 028.17 B 09 30 10 19 09 30 10 19 09 2405 N 10 50 00 W165.24 A/B 10 19 11 18 10 29 11 18 10 19 11 18 2406 D 11 43 39 E 001.35 A 11 18 12 06 11 18 12 06 11 2406 N 12 37 15 E 167.97 B/A 12 06 13 05 12 14 13 05 12 06 13 05 12 14 13 05 13 05 13 53 13 13 13 13 13 13 13 13 13 13 13 13 13 13 <td< td=""><td>33</td><td></td><td>18</td></td<> | 33 | | 18 |
| 2405 D 09 56 25 E 028.17 B 09 30 10 19 09 30 10 19 09 2405 N 10 50 00 W165.24 A/B 10 19 11 18 10 29 11 18 10 19 11 18 2406 D 11 43 39 E 001.35 A 11 18 12 06 11 11 18 12 06 11 2406 N 12 37 15 E 167.97 B/A 12 06 13 05 12 14 13 05 12 06 13 05 2407 D 13 30 53 W025.47 B 13 05 13 53 13 05 13 53 13 | 33 | | 18 |
| 2405 N 10 50 00 W165.24 A/B 10 19 11 18 10 29 11 18 10 19 11 18 2406 D 11 43 39 E 001.35 A 11 18 12 06 II 11 18 12 06 11 2406 N 12 37 15 E 167.97 B/A 12 06 13 05 12 14 13 05 12 06 13 05 2407 D 13 30 53 W025.47 B 13 05 13 53 I3 05 13 53 13 | 33 | | 18 |
| 2406 D 11 43 39 E 001.35 A 11 18 12 06 11 18 12 06 11 2406 N 12 37 15 E 167.97 B/A 12 06 13 05 12 14 13 05 12 06 13 05 2407 D 13 30 53 W025.47 B 13 05 13 53 13 05 13 53 13 | | | - |
| 2406 N 12 37 15 E 167.97 B/A 12 06 13 05 12 14 13 05 12 06 13 05 2407 D 13 30 53 W025.47 B 13 05 13 53 13 05 13 53 13 | | + | |
| 2407 D 13 30 53 W025.47 B 13 05 13 53 13 05 13 53 13 | 20 | 12 | 05 |
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| 00 T N | 11 | 13 | 52 |
| 2407 N 14 24 29 E 141.16 A/B 13 53 14 52 14 01 14 53 13 53 14 52 | | | |
| 2408 D 15 18 07 W052.25 A 14 52 15 41 14 52 15 41 14 | 55 | 15 | 36 |
| 2408 N 16 11 43 E 114.33 B 15 41 16 39 15 44 16 40 15 44 16 39 | | | |
| 2409 D 17 05 21 W079.07 B 16 39 17 28 16 39 17 25 16 | 42 | 17 | 23 |
| 2409 N 17 58 57 E 087.52 A 17 28 18 27 17 29 18 27 17 28 18 27 | | | |
| 2410 D 18 52 35 W105.88 A 18 27 19 15 18 27 19 08 18 | 29 | 19 | 07 |
| 2410 N 19 46 11 E 060.73 B 19 15 20 14 19 16 20 14 19 15 20 14 | | | |
| 2411 D 20 39 49 W132.71 B 20 14 21 02 20 14 20 58 20 | 16 | 20 | 58 |
| 2411 N 21 33 25 E 033.92 A 21 02 22 01 21 04 22 02 21 02 22 01 | | | |
| 2412 D 22 27 03 W159.48 A 22 01 22 45 22 01 22 45 22 | 04 | 22 | 42 |
| 2412 N 23 20 39 E 007.09 A 22 51 23 48 22 50 23 48 | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 5 OCTOBER 1970

| DATA | A | SCEND | /DESC | END | UD DOG | | IR | IS | | ТНІ | R HU | MIDI | ГҮ | TEI | TH | IR ATUF | RE. | | ID | cs | |
|--------|----|-------|-------|----------|--------|-----|-----|-----|-----|-----|------|------|-----|-----|-----|------------|-----|-----|-----|------|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | 0F | F | 0 | N | 0F | F | 01 | V | 01 | F | 01 | N | 01 | F |
| | HR | MIN | SEC | DEG | | HRI | MIN | HRI | NIN | HRI | NIN | HR I | NIN | HRI | NIN | HRI | MIN | HRI | MIN | HR I | VIN |
| 2413 D | 00 | 14 | 18 | E 173.69 | Α | | | | | | | | | 23 | 48 | 00 | 37 | 23 | 51 | 00 | 32 |
| 2413 N | 01 | 07 | 53 | W019.72 | Α | | | , | | 00 | 38 | 00 | 53 | 00 | 37 | 00 | 53 | | | | |
| 2414 D | 02 | 01 | 32 | E 146.83 | | , | | | | | | | | | | | | | | | |
| 2414 N | 02 | 55 | 07 | W046.51 | В | | | | | 03 | .04 | 03 | 23 | 03 | 06 | 03 | 23 | | | | |
| 2415 D | 03 | 48 | 46 | E 120.06 | В | | | | | | | | | 03 | 23 | 04 | 11 | 03 | 25 | 04 | 11 |
| 2415 N | 04 | 42 | 22 | W073.32 | В | | | | | 04 | 13 | 04 | 27 | 04 | 11 | 04 | 27 | | | | |
| 2415 N | 04 | 42 | 22 | W073.32 | В | | , | | | 04 | 41 | 05 | 09 | 04 | 41 | 05 | 10 | | | | |
| 2416 D | 05 | 36 | 00 | E 093.28 | В | | | | | | | | | 05 | 10 | 05 | 58 | 05 | 13 | 05 | 54 |
| 2416 N | 06 | 29 | 36 | W100.14 | В | 06 | 22 | 06 | 57 | 06 | 00 | 06 | 16 | 05 | 58 | 06 | 16 | | | | |
| 2416 N | 06 | 29 | 36 | W100.14 | В | | | | | 06 | 22 | 06 | 58 | 06 | 22 | 06 | 57 | | | | |
| 2417 D | 07 | 23 | 14 | E 066.46 | В | 06 | 57 | 07 | 48 | | | | | 06 | 57 | 07 | 46 | 07 | 00 | 07 | 41 |
| 2417 N | 08 | 16 | 50 | W126.95 | В | 08 | 20 | 08 | 44 | 08 | 02 | 08 | 44 | 07 | 46 | 07 | 53 | | | | |
| 2417 N | 08 | 16 | 50 | W126.95 | В | | | | | | | | | 08 | 02 | 08 | 44 | | | | |
| 2418 D | 09 | 10 | 28 | E 039.65 | В | 08 | 44 | 09 | 33 | | | | | 08 | 44 | 09 | 33 | 08 | 47 | 09 | 28 |
| 2418 N | 10 | 04 | 04 | W153.78 | В | 09 | 33 | 10 | 32 | 09 | 50 | 10 | 32 | 09 | 50 | 10 | 32 | | | | |
| 2419 D | 10 | 57 | 42 | E 012.82 | В | 10 | 32 | 11 | 20 | | | | | 10 | 32 | 11 | 20 | 10 | 34 | 11 | 19 |
| 2419 N | 11 | 51 | 18 | E 179.45 | В | 11 | 20 | 12 | 19 | 11 | 34 | 12 | 17 | 11 | 20 | 11 | 28 | | | | |
| 2419 N | 11 | 51 | 18 | E 179.45 | В | | | | | | | | | 11 | 34 | 12 | 19 | | | | |
| 2420 D | 12 | 44 | 56 | W013.99 | В | 12 | 19 | 13 | 07 | | | | | 12 | 19 | 13 | 07 | 12 | 21 | 13 | 03 |
| 2420 N | 13 | 38 | 32 | E 152.64 | Α | 13 | 07 | 14 | 06 | 13 | 48 | 14 | 05 | 13 | 48 | 14 | 06 | | | | |
| 2421 D | 14 | 32 | 11 | W040.78 | Α | 14 | 06 | 14 | 55 | | | | | 14 | 06 | 14 | 55 | 14 | 09 | 14 | 50 |
| 2421 N | 15 | 25 | 46 | E 125.81 | В | 14 | 57 | 15 | 53 | 14 | 57 | 15 | 54 | 14 | 57 | 15 | 53 | | | | |
| 2422 D | 16 | 19 | 25 | W067.59 | В | 15 | 53 | 16 | 42 | | | | | 15 | 53 | 16 | 37 | 15 | 56 | 16 | 37 |
| 2422 N | 17 | 13 | 00 | E 099.00 | Α | 16 | 42 | 17 | 41 | 16 | 43 | 17 | 40 | 16 | 43 | 17 | 41 | | | | |
| 2423 D | 18 | 06 | 39 | W094.41 | . А | 17 | 41 | 18 | 29 | | | | | 17 | 41 | 18 | 23 | 17 | 43 | 18 | 21 |
| 2423 N | 19 | 00 | 15 | E 072.21 | В | 18 | 29 | 19 | 28 | 18 | 30 | 19 | 28 | 18 | 29 | 19 | 28 | | | | |
| 2424 D | 19 | 53 | 53 | W121.22 | B/A | 19 | 28 | 20 | 16 | | | | | 19 | 28 | 20 | 16 | 19 | 34 | 20 | 80 |
| 2424 N | 20 | 47 | 29 | E 045.40 | Α | 20 | 16 | 21 | 15 | 20 | 18 | 21 | 15 | 20 | 16 | 21 | 15 | | | | |
| 2425 D | 21 | 41 | 07 | W148.01 | Α | 21 | 15 | 21 | 55 | | | | | 21 | 15 | 21 | 54 | 21 | 18 | 21 | 52 |
| 2425 N | 22 | 34 | 43 | E 018.58 | | | | | | | | | | | | | | | | | |
| 2426 D | 23 | 28 | 21 | W174.82 | А | 23 | 46 | 23 | 51 | | | | | | | | | | | | |
| 2426 N | 00 | 21 | 57 | W008.24 | Α | 23 | 51 | 00 | 49 | 23 | 52 | 00 | 50 | 23 | 51 | 00 | 49 | | | | |

TABLE 2-2 SENSOR ON-OFF TIMES DATE 6 OCTOBER 1970

| DATA | A | SCEND | /DESC)DE | END | 415.500 | | IR | IS | | THI | R HU | IMIDIT | ГҮ | TEI | TH MPER | IR ATUR | RE | | ID | cs | |
|--------|----|-------|--------------|----------|---------|----|-----|------|-----|------|------|--------|-----|-----|------------|------------|-----|------|-----|----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 01 | N | 0F | F | 10 | V | OF | F | 01 | N | 01 | F. |
| · | HR | MIN | SEC | DEG | | HR | MIN | HR ! | VIN | HR I | NIN | HR | NIN | HR | NIN | HR | NIN | HR I | NIN | HR | NIN |
| 2427 D | 01 | 15 | 35 | E 158.35 | Α | 00 | 49 | 01 | 38 | | | | | 00 | 49 | 01 | 38 | 00 | 52 | 01 | 34 |
| 2427 N | 02 | 09 | 11 | W035.02 | B/A | 01 | 38 | 02 | 37 | 01 | 39 | 02 | 37 | 01 | 38 | 02 | 37 | | | | |
| 2428 D | 03 | 02 | 49 | E 131.54 | В | 02 | 37 | 03 | 25 | | | | | 02 | 37 | 03 | 25 | 02 | 39 | 03 | 24 |
| 2428 N | 03 | 56 | 25 | W061.84 | В | 03 | 25 | 03 | 49 | 03 | 27 | 03 | 48 | 03 | 25 | 03 | 48 | | | | |
| 2429 D | 04 | 50 | 03 | E 104.76 | | | | | | | | | | | | | | | | | |
| 2429 N | 05 | 43 | 39 | W088.66 | В | 05 | 33 | 06 | 11 | 05 | 33 | 06 | 11 | 05 | 33 | 06 | 11 | | | | |
| 2430 D | 06 | 37 | 18 | E 077.94 | В | 06 | 11 | 07 | 00 | | | | | 06 | 11 | 07 | 00 | 06 | 14 | 06 | 59 |
| 2430 N | 07 | 30 | 53 | W115.47 | A/B | 07 | 00 | 07 | 58 | 07 | 01 | 07 | 58 | 07 | 00 | 07 | 58 | | | | |
| 2431 D | 08 | 24 | 32 | E 051.13 | Α | 07 | 58 | 08 | 47 | | | | | 07 | 58 | 08 | 47 | 08 | 01 | 08 | 42 |
| 2431 N | 09 | 18 | 07 | W142.26 | B/A | 08 | 47 | 09 | 46 | 08 | 55 | 09 | 46 | 08 | 47 | 09 | 46 | | | | |
| 2432 D | 10 | 11 | 46 | E 024.30 | В | 09 | 46 | 10 | 34 | | | | | 09 | 46 | 10 | 34 | 09 | 48 | 10 | 30 |
| 2432 N | 11 | 05 | 22 | W169.07 | A/B | 10 | 34 | 11 | 33 | 10 | 42 | 11 | 33 | 10 | 34 | 11 | 20 | | | | |
| 2433 D | 11 | 59 | 00 | W002.47 | | 11 | 33 | 12 | 21 | | | | | | | | | 11 | 35 | 12 | 17 |
| 2433 N | 12 | 52 | 36 | E 164.10 | В | 12 | 21 | 13 | 20 | 12 | 27 | 13 | 20 | 12 | 27 | 13 | 20 | | | | |
| 2434 D | 13 | 46 | 14 | W029.30 | В | 13 | 20 | 14 | 08 | | | | | 13 | 20 | 14 | 80 | 13 | 22 | 14 | 08 |
| 2434 N | 14 | 39 | 50 | E 137.29 | А | 14 | 08 | 15 | 07 | 14 | 13 | 15 | 07 | 14 | 13 | 15 | 07 | | | | |
| 2435 D | 15 | 33 | 28 | W056.11 | Α | 15 | 07 | 15 | 56 | | | | | 15 | 07 | 15 | 54 | 15 | 10 | 15 | 51 |
| 2435 N | 16 | 27 | 04 | E 110.47 | В | 15 | 56 | 16 | 54 | 15 | 57 | 16 | 54 | 15 | 56 | 16 | 54 | | | | |
| 2436 D | 17 | 20 | 42 | W082.93 | В | 16 | 54 | 17 | 40 | | | | | 16 | 54 | 17 | 39 | 16 | 57 | 17 | 35 |
| 2436 N | 18 | 14 | 18 | E 083.69 | Α | 17 | 48 | 18 | 42 | 17 | 48 | 18 | 41 | 17 | 48 | 18 | 42 | | | | |
| 2437 D | 19 | 07 | 56 | W109.74 | A/B | 18 | 42 | 19 | 30 | | | | | 18 | 42 | 19 | 30 | 18 | 44 | 19 | 22 |
| 2437 N | 20 | 01 | 32 | E 056.87 | В | 19 | 30 | 20 | 29 | 19 | 32 | 20 | 29 | 19 | 30 | 20 | 29 | | | | |
| 2438 D | 20 | 55 | 11 | W136.53 | B/A | 20 | 29 | 21 | 17 | | | | | 20 | 29 | 21 | 17 | 20 | 31 | 21 | 10 |
| 2438 N | 21 | 48 | 46 | E 030.06 | Α | 21 | 17 | 22 | 16 | 21 | 19 | 22 | 16 | 21 | 17 | 22 | 16 | | | | |
| 2439 D | 22 | 42 | 25 | W163.34 | Α | 22 | 16 | 22 | 57 | | | | | 22 | 16 | 22 | 56 | 22 | 19 | 22 | 55 |
| 2439 N | 23 | 36 | 00 | E 003.23 | A | 23 | 03 | 00 | 03 | 23 | 06 | 00 | 04 | 23 | 05 | 00 | 03 | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 7 OCTOBER 1970

| DATA | A | SCEND | /DESC | END | | | IR | IS | | ТН | R HL | MIDI | TY. | TE | TH MPER | IR ATU | RE | | ID | cs | |
|----------------|----|-------|-------|----------|-------|----|-----|----|-----|----|------|------|-----|----|------------|-----------|------|----|-----|----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | OF | F | 01 | N | 01 | FF . | 0 | N | 01 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN |
| 2440 D | 00 | 29 | 39 | E 169.83 | Α | 00 | 03 | 00 | 52 | | | | | 00 | 03 | 00 | 52 | 00 | 13 | 00 | 48 |
| 2440 N | 01 | 23 | 15 | W023.54 | Α | 00 | 52 | 01 | 05 | | | | | 00 | 52 | 01 | 04 | | | | |
| 2441 D | 02 | 16 | 53 | E 143.02 | | | | | | | | | | | | | | | | | |
| 2441 N | 03 | 10 | 29 | W050.37 | | | | | | | | | | | | | | | | | |
| 2442 D | 04 | 04 | 07 | E 116.23 | | | | | | | | | | | | | | 03 | 38 | 04 | 20 |
| 2442 N | 04 | 57 | 43 | W077.18 | В | 04 | 43 | 05 | 25 | 04 | 48 | 05 | 26 | 04 | 48 | 05 | 25 | | | | |
| 2443 D | 05 | 51 | 21 | E 089.42 | | 05 | 25 | 06 | 14 | | | | | 05 | 25 | 06 | 14 | 05 | 28 | 06 | 09 |
| 2443 N | 06 | 44 | 57 | W104.00 | A/B | 06 | 14 | 07 | 12 | 06 | 15 | 07 | 12 | 06 | 14 | 07 | 12 | | | | |
| 2444 D | 07 | 38 | 35 | E 062.60 | Α | 07 | 12 | 08 | 01 | | | | | 07 | 12 | 08 | 01 | 07 | 15 | 07 | 56 |
| 2444 N | 08 | 32 | 11 | W130.78 | B/A | 08 | 01 | 08 | 59 | 08 | 10 | 08 | 58 | 08 | 01 | 08 | 59 | | | | |
| 2445 D | 09 | 25 | 49 | E 035.78 | В | 08 | 59 | 09 | 48 | | | | | 08 | 59 | 09 | 48 | 09 | 02 | 09 | 47 |
| 2445 N | 10 | 19 | 25 | W157.60 | A/B | 09 | 48 | 10 | 47 | 09 | 55 | 10 | 47 | 09 | 48 | 10 | 47 | | | | |
| 2446 D | 11 | 13 | 03 | E 009.00 | | 10 | 47 | 11 | 35 | | | | | 10 | 47 | 11 | 35 | 10 | 49 | 11 | 34 |
| 2446 N | 12 | 06 | 39 | E 175.58 | В | 11 | 35 | 12 | 34 | 11 | 42 | 12 | 34 | 11 | 35 | 12 | 34 | | | | |
| 2447 D | 13 | 00 | 18 | W017.82 | В | 12 | 34 | 13 | 22 | | | | | 12 | 34 | 13 | 22 | 12 | 36 | 13 | 18 |
| 2447 N | 13 | 53 | 53 | E 148.77 | А | 13 | 22 | 14 | 21 | 13 | 28 | 14 | 16 | | | | | | | | |
| 2448 D | 14 | 47 | 32 | W044.64 | | 14 | 21 | 15 | 10 | | | | | | | | | 14 | 24 | 15 | 09 |
| 2448 N | 15 | 41 | 07 | E 121.98 | В | 15 | 10 | 16 | 08 | 15 | 13 | 16 | 08 | 15 | 13 | 16 | 08 | | | | |
| 2449 D | 16 | 34 | 46 | W071.45 | В | 16 | 08 | 16 | 57 | | | | | 16 | 08 | 16 | 54 | 16 | 11 | 16 | 52 |
| 2449 N | 17 | 28 | 22 | E 095.17 | Α | 16 | 57 | 17 | 56 | 16 | 58 | 17 | 56 | 16 | 57 | 17 | 56 | | | | |
| 2450 D | 18 | 22 | 00 | W098.24 | Α | 17 | 56 | 18 | 44 | | | | | 17 | 56 | 18 | 44 | 17 | 58 | 18 | 36 |
| 2450 N | 19 | 15 | 36 | E 068.35 | В | 18 | 44 | 19 | 43 | 18 | 46 | 19 | 43 | 18 | 44 | 19 | 43 | | | | |
| 2451 D | 20 | 09 | 14 | W125.05 | Α | 19 | 43 | 20 | 31 | | | | | 19 | 43 | 20 | 31 | 19 | 45 | 20 | 20 |
| 2451 N | 21 | 02 | 50 | E 041.54 | Α | 20 | 31 | 21 | 30 | 20 | 33 | 21 | 30 | 20 | 31 | 21 | 30 | | | | |
| 24 52 D | 21 | 56 | 28 | W151.88 | Α | 21 | 30 | 22 | 19 | | | | | 21 | 30 | 22 | 10 | 21 | 33 | 22 | 07 |
| 2452 N | 22 | 50 | 04 | E 014.71 | Α | 22 | 19 | 23 | 17 | 22 | 20 | 23 | 17 | 22 | 20 | 23 | 17 | | | | |
| 2453 D | 23 | 43 | 42 | W178.69 | Α | 23 | 17 | 00 | 06 | | | | | 23 | 17 | 00 | 06 | 23 | 20 | 00 | 05 |
| 2453 N | 00 | 37 | 18 | W012.06 | B/A | 00 | 06 | 01 | 05 | 00 | 07 | 01 | 05 | 00 | 06 | 01 | 05 | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 8 OCTOBER 1970

| DATA | A | SCEND | /DESC | END | UBBOO | | IR | IIS | | ТН | IR HL | IMIDI | TY | TE | | IIR RATUI | RE | | ID | cs | |
|--------|----|-------|-------|-----------|-------|----|-----|-----|-----|----|-------|-------|-----|----|-----|--------------|-----|----|-----|----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | OF | F | 0 | N | 0 | FF | 0 | N | 0 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN |
| 2454 D | 01 | 30 | 56 | E 154.49 | В | 01 | 05 | 01 | 53 | | | | | 01 | 05 | 01 | 53 | 01 | 07 | 01 | 49 |
| 2454 N | 02 | 24 | 32 | W038.89 | В | 01 | 53 | 02 | 17 | 01 | 55 | 02 | 16 | 01 | 53 | 02 | 16 | | | | |
| 2455 D | 03 | 18 | 11 | E 127.71 | | | | | | | | | | | | | | | | | |
| 2455 N | 04 | 11 | 46 | W065.70 | | | | | | | | | | | | | | | | | |
| 2456 D | 05 | 05 | 25 | E 100.89 | | | | | | | | | | | | | | | | | |
| 2456 N | 05 | 59 | 00 | W092.52 | В | 05 | 49 | 06 | 26 | 05 | 49 | 06 | 28 | 05 | 49 | 06 | 26 | | | | |
| 2457 D | 06 | 52 | 39 | E 074.08 | В | 06 | 26 | 07 | 15 | | | | | 06 | 26 | 07 | 15 | 06 | 29 | 07 | 10 |
| 2457 N | 07 | 46 | 14 | W119.30 | A/B | 07 | 15 | 08 | 13 | 07 | 16 | 08 | 15 | 07 | 15 | 08 | 13 | | | | |
| 2458 D | 08 | 39 | 53 | F. 047.27 | Α | 08 | 13 | 09 | 02 | | | | | 08 | 13 | 09 | 02 | 08 | 16 | 08 | 58 |
| 2458 N | 09 | 33 | 29 | W146.12 | B/A | 09 | 02 | 10 | 01 | 09 | 12 | 10 | 01 | 09 | 02 | 10 | 01 | | | | |
| 2459 D | 10 | 27 | 07 | E 020.48 | В | 10 | 01 | 10 | 49 | | | | | 10 | 01 | 10 | 49 | 10 | 03 | 10 | 48 |
| 2459 N | 11 | 20 | 43 | W172.93 | A/B | 10 | 49 | 11 | 48 | 10 | 57 | 11 | 48 | 10 | 49 | 11 | 48 | | | | |
| 2460 D | 12 | 14 | 21 | W006.33 | Α | 11 | 48 | 12 | 36 | | | | | 11 | 48 | 12 | 36 | 11 | 50 | 12 | 35 |
| 2460 N | 13 | 07 | 57 | E 160.24 | B/A | 12 | 36 | 13 | 35 | 12 | 43 | 13 | 35 | 12 | 36 | 13 | 35 | | | | |
| 2461 D | 14 | 01 | 35 | W033.16 | В | 13 | 35 | 14 | 25 | | | | | 13 | 35 | 14 | 24 | 13 | 38 | 14 | 23 |
| 2461 N | 14 | 55 | 11 | E 133.47 | Α | 14 | 27 | 15 | 22 | 14 | 27 | 15 | 22 | 14 | 27 | 15 | 22 | | | | |
| 2462 D | 15 | 48 | 49 | W059.97 | Α | 15 | 22 | 16 | 10 | | | | | 15 | 22 | 16 | 09 | 15 | 25 | 16 | 06 |
| 2462 N | 16 | 42 | 25 | E 106.64 | В | 16 | 11 | 17 | 10 | 16 | 13 | 17 | 11 | 16 | 11 | 17 | 10 | | | | |
| 2463 D | 17 | 36 | 03 | W086.76 | В | 17 | 10 | 17 | 58 | | | | | 17 | 10 | 17 | 52 | 17 | 12 | 17 | 50 |
| 2463 N | 18 | 29 | 39 | E 079.83 | Α | 17 | 58 | 18 | 57 | 18 | 00 | 18 | 58 | 17 | 58 | 18 | 57 | | | | |
| 2464 D | 19 | 23 | 18 | W113.57 | Α | 18 | 57 | 19 | 45 | | | | | 18 | 57 | 19 | 45 | 18 | 59 | 19 | 37 |
| 2464 N | 20 | 16 | 53 | E 053.00 | В | 19 | 45 | 20 | 44 | 19 | 47 | 20 | 45 | 19 | 45 | 20 | 44 | | | | |
| 2465 D | 21 | 10 | 32 | W140.39 | B/A | 20 | 44 | 21 | 33 | | | | | 20 | 44 | 21 | 33 | 20 | 47 | 21 | 24 |
| 2465 N | 22 | 04 | 07 | E 026.23 | Α | 21 | 33 | 22 | 31 | 21 | 34 | 22 | 32 | 21 | 33 | 22 | 31 | | | | |
| 2466 D | 22 | 57 | 46 | W167.21 | Α | 22 | 31 | 23 | 13 | | | | | 22 | 31 | 23 | 13 | 22 | 34 | 23 | 12 |
| 2466 N | 23 | 51 | 22 | W000.60 | Α | 23 | 19 | 00 | 18 | 23 | 21 | 00 | 20 | 23 | 20 | 00 | 18 | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 9 OCTOBER 1970

| DATA | A | SCEND | /DESC | END | UDDOO | | IR | IS | | ТНІ | R HL | IMIDI | ГҮ | TEI | TH | IR ATUR | RE | | ID | cs | |
|--------|----|-------|-------|----------|-------|------|-----|----|-----|-----|------|-------|-----|-----|-----|------------|-----|----|-----|-----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | 0F | F | 01 | V | 10 | F | 0 | N | 01 | FF |
| | HR | MIN | SEC | DEG | | HR I | MIN | HR | MIN | HR | ΛIN | HR | MIN | HRI | MIN | HRI | MIN | HR | MIN | HRI | MIN |
| 2467 D | 00 | 45 | 00 | E 166.01 | Α | 00 | 18 | 01 | 07 | | | | | 00 | 18 | 01 | 07 | 00 | 21 | 01 | 03 |
| 2467 N | 01 | 38 | 36 | W027.41 | Α | 01 | 07 | 01 | 22 | | | | | 01 | 07 | 01 | 21 | | | | |
| 2468 D | 02 | 32 | 14 | E 139.19 | | | | | | | | | | | | | | | | | |
| 2468 N | 03 | 25 | 50 | W054.23 | В | 02 | 55 | 03 | 53 | 02 | 56 | 03 | 54 | 02 | 55 | 03 | 53 | | | | |
| 2469 D | 04 | 19 | 28 | E 112.37 | В | 03 | 53 | 04 | 41 | | | | | 03 | 53 | 04 | 41 | 03 | 56 | 04 | 37 |
| 2469 N | 05 | 13 | 04 | W081.04 | В | 04 | 41 | 04 | 57 | 04 | 43 | 04 | 56 | 04 | 41 | 04 | 56 | | | | |
| 2469 N | 05 | 13 | 04 | W081.04 | В | 05 | 03 | 05 | 40 | 05 | 03 | 05 | 41 | 05 | 03 | 05 | 40 | | | 7 | |
| 2470 D | 06 | 06 | 42 | E 085.56 | В | 05 | 40 | 06 | 29 | | | | | 05 | 40 | 06 | 29 | 05 | 43 | 06 | 24 |
| 2470 N | 07 | 00 | 18 | W107.83 | A/B | 06 | 29 | 07 | 27 | 06 | 30 | 07 | 29 | 06 | 29 | 07 | 27 | | | | |
| 2471 D | 07 | 53 | 56 | E 058.73 | Α | 07 | 27 | 08 | 16 | | | | | 07 | 27 | 08 | 16 | 07 | 30 | 08 | 12 |
| 2471 N | 08 | 47 | 32 | W134.64 | B/A | 08 | 16 | 09 | 15 | 08 | 28 | 09 | 16 | 08 | 16 | 09 | 15 | | | | |
| 2472 D | 09 | 41 | 11 | E 031.96 | В | 09 | 15 | 10 | 03 | | | | | 09 | 15 | 10 | 03 | 09 | 17 | 09 | 59 |
| 2472 N | 10 | 34 | 46 | W161.47 | A/B | 10 | 03 | 11 | 02 | 10 | 13 | 11 | 03 | 10 | 03 | 11 | 02 | | | | |
| 2473 D | 11 | 28 | 25 | E 005.13 | Α | 11 | 02 | 11 | 50 | | | | | 11 | 02 | 11 | 50 | 11 | 04 | 11 | 49 |
| 2473 N | 12 | 22 | 00 | E 171.72 | B/A | 11 | 50 | 12 | 49 | 11 | 57 | 12 | 50 | 11 | 50 | 12 | 49 | | | | |
| 2474 D | 13 | 15 | 39 | W021.68 | В | 12 | 49 | 13 | 38 | | | | | 12 | 49 | 13 | 38 | 12 | 52 | 13 | 37 |
| 2474 N | 14 | 09 | 14 | E 144.93 | Α | 13 | 38 | 14 | 36 | 13 | 42 | 14 | 37 | 13 | 42 | 14 | 36 | | | | |
| 2475 D | 15 | 02 | 53 | W048.50 | Α | 14 | 36 | 15 | 25 | | | | | 14 | 36 | 15 | 25 | 14 | 39 | 15 | 20 |
| 2475 N | 15 | 56 | 29 | E 118.12 | В | 15 | 25 | 16 | 24 | 15 | 29 | 16 | 25 | 15 | 30 | 16 | 24 | | | | |
| 2476 D | 16 | 50 | 07 | W075.28 | В | 16 | 24 | 17 | 12 | , | | | | 16 | 24 | 17 | 11 | 16 | 26 | 17 | 80 |
| 2476 N | 17 | 43 | 43 | E 091.31 | Α | 17 | 12 | 18 | 11 | 17 | 12 | 18 | 10 | 17 | 12 | 18 | 11 | | | | |
| 2477 D | 18 | 37 | 21 | W102.10 | A/B | 18 | 11 | 18 | 59 | | | | | 18 | 11 | 18 | 59 | 18 | 13 | 18 | 51 |
| 2477 N | 19 | 30 | 57 | E 064.49 | В | 18 | 59 | 19 | 58 | 18 | 59 | 19 | 57 | 18 | 59 | 19 | 58 | | | | |
| 2478 D | 20 | 24 | 35 | W128.91 | В | 19 | 58 | 20 | 46 | | | | | 19 | 58 | 20 | 40 | 20 | 01 | 20 | 39 |
| 2478 N | 21 | 18 | 11 | E 037.71 | Α | 20 | 46 | 21 | 45 | 20 | 46 | 21 | 44 | 20 | 46 | 21 | 45 | | | | |
| 2479 D | 22 | 11 | 49 | W155.74 | Α | 21 | 45 | 22 | 26 | | | | | 21 | 45 | 22 | 26 | 21 | 48 | 22 | 26 |
| 2479 N | 23 | 05 | 25 | E 010.89 | Α | 22 | 32 | 23 | 32 | 22 | 34 | 23 | 32 | 22 | 34 | 23 | 32 | | | | |
| 2480 D | 23 | 59 | 03 | E 177.49 | Α | 23 | 32 | 00 | 21 | | | | | 23 | 32 | 00 | 21 | 23 | 35 | 00 | 17 |
| 2480 N | 00 | 52 | 39 | W015.93 | B/A | 00 | 21 | 01 | 20 | 00 | 21 | 01 | 18 | 00 | 21 | 01 | 20 | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 10 OCTOBER 1970

| DATA | A | SCEND | /DESC | END | шалос | | IR | IS | | ТНІ | R HL | IMIDI. | ΤY | TE | TH | IR ATUF | RE | | ID | cs | |
|--------|----|-------|-------|----------|-------|----|-----|----|-----|-----|------|--------|-----|----|-----|------------|-----|-----|-----|-----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | OF | F | 0 | N | 01 | F | 0 | N | 01 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HRI | MIN | HR | MIN | HR | MIN | HRI | MIN | HRI | MIN | HRI | MIN |
| 2481 D | 01 | 46 | 18 | E 150.66 | В | 01 | 20 | 02 | 08 | | | | | 01 | 20 | 02 | 08 | 01 | 22 | 02 | 04 |
| 2481 N | 02 | 39 | 53 | W042.75 | В | 02 | 08 | 02 | 33 | 02 | 08 | 02 | 29 | 02 | 08 | 02 | 29 | | | | |
| 2482 D | 03 | 33 | 32 | E 123.85 | | | | | | | | | | | | | | | | | |
| 2482 N | 04 | 27 | 07 | W069.53 | В | 04 | 22 | 04 | 54 | 04 | 21 | 04 | 53 | 04 | 21 | 04 | 54 | | | | |
| 2483 D | 05 | 20 | 46 | E 097.03 | В | 04 | 54 | 05 | 43 | | | | | 04 | 54 | 05 | 43 | 04 | 57 | 05 | 38 |
| 2483 N | 06 | 14 | 21 | W096.35 | В | 05 | 43 | 05 | 58 | 05 | 42 | 05 | 58 | 05 | 43 | 05 | 58 | | | | |
| 2483 N | 06 | 14 | 21 | W096.35 | В | 06 | 04 | 06 | 41 | 06 | 04 | 06 | 40 | 06 | 04 | 06 | 41 | | | | |
| 2484 D | 07 | 08 | 00 | E 070.25 | В | 06 | 41 | 07 | 30 | | | | | 06 | 41 | 07 | 30 | 06 | 43 | 07 | 25 |
| 2484 N | 08 | 01 | 36 | W123.16 | A/B | 07 | 30 | 08 | 29 | 07 | 41 | 08 | 27 | 07 | 30 | 08 | 29 | | | | |
| 2485 D | 08 | 55 | 14 | E 043.43 | Α | 08 | 29 | 09 | 17 | | | | | 08 | 29 | 09 | 17 | 08 | 31 | 09 | 16 |
| 2485 N | 09 | 48 | 50 | W149.99 | B/A | 09 | 17 | 10 | 16 | 09 | 26 | 10 | 14 | 09 | 17 | 10 | 16 | | | | |
| 2486 D | 10 | 42 | 28 | E 016.61 | В | 10 | 16 | 11 | 04 | | | | | 10 | 16 | 11 | 04 | 10 | 18 | 11 | 03 |
| 2486 N | 11 | 36 | 04 | W176.80 | A/B | 11 | 04 | 12 | 03 | 11 | 12 | 12 | 02 | 11 | 04 | 12 | 03 | | | | |
| 2487 D | 12 | 29 | 42 | W010.20 | Α | 12 | 03 | 12 | 52 | | | | | 12 | 03 | 12 | 52 | 12 | 06 | 12 | 47 |
| 2487 N | 13 | 23 | 18 | E 156.41 | В | 12 | 52 | 13 | 50 | 12 | 59 | 13 | 49 | 12 | 59 | 13 | 50 | | | | |
| 2488 D | 14 | 16 | 56 | W037.02 | В | 13 | 50 | 14 | 39 | | | | | 13 | 50 | 14 | 39 | 13 | 53 | 14 | 38 |
| 2488 N | 15 | 10 | 32 | E 129.60 | Α | 14 | 39 | 15 | 37 | 14 | 43 | 15 | 36 | 14 | 43 | 15 | 37 | | | | |
| 2489 D | 16 | 04 | 11 | W063.80 | Α | 15 | 37 | 16 | 26 | | | | | 15 | 37 | 16 | 26 | 15 | 43 | 16 | 21 |
| 2489 N | 16 | 57 | 46 | E 102.78 | В | 16 | 26 | 17 | 25 | 16 | 27 | 17 | 24 | 16 | 27 | 17 | 25 | | | | |
| 2490 D | 17 | 51 | 25 | W090.62 | В | 17 | 25 | 18 | 13 | | | | | 17 | 25 | 18 | 08 | 17 | 27 | 18 | 05 |
| 2490 N | 18 | 45 | 00 | E 075.97 | . A | 18 | 13 | 19 | 12 | 18 | 13 | 19 | 11 | 18 | 13 | 19 | 12 | | | | |
| 2491 D | 19 | 38 | 39 | W117.43 | Α | 19 | 12 | 20 | 00 | | | | | 19 | 12 | 19 | 54 | 19 | 15 | 19 | 52 |
| 2491 N | 20 | 32 | 14 | E 049.18 | В | 20 | 00 | 20 | 59 | 20 | 00 | 20 | 58 | 20 | 00 | 20 | 59 | | | | |
| 2492 D | 21 | 25 | 53 | W144.26 | B/A | 20 | 59 | 21 | 48 | | | | | 20 | 59 | 21 | 48 | 21 | 02 | 21 | 40 |
| 2492 N | 22 | 19 | 28 | E 022.37 | Α | 21 | 48 | 22 | 46 | 21 | 48 | 22 | 42 | 21 | 48 | 22 | 46 | | | | |
| 2493 D | 23 | 13 | 07 | W171.03 | Α | 22 | 46 | 23 | 28 | | | | | 22 | 46 | 23 | 27 | 22 | 49 | 23 | 27 |
| 2493 N | 00 | 06 | 43 | W004.46 | Α | 23 | 33 | 00 | 34 | 23 | 40 | 00 | 31 | 23 | 40 | 00 | 34 | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 11 OCTOBER 1970

| DATA | A | SCEND | /DESC | END | UDDOO | | IR | IS | | ТНІ | RHL | IMIDI | TY | TE | TH MPER | IR ATUR | RE | | ID | cs | |
|--------|----|-------|-------|----------|-------|-----|-----|----|-----|-----|-----|-------|-----|-----|------------|------------|-------|-----|-----|-----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | 0 F | F | 01 | V | OF | F | 01 | V | 01 | F |
| | HR | MIN | SEC | DEG | | HRI | MIN | HR | MIN | HRI | NIN | HRI | MIN | HRI | NIN | HRI | NIN ' | HRI | NIN | HRI | NIN |
| 2494 D | 01 | 00 | 21 | E 162.14 | Α | 00 | 34 | 01 | 22 | | | | | 00 | 34 | 01 | 21 | | | | |
| 2494 N | 01 | 53 | 57 | W031.27 | Α | 01 | 22 | 01 | 36 | | | | | | | | | | | | |
| 2495 D | 02 | 47 | 35 | E 135.33 | В | 03 | 02 | 03 | 09 | | | | | | | | | | | | |
| 2495 N | 03 | 41 | 11 | W058.06 | В | 03 | 09 | 04 | 08 | 03 | 09 | 04 | 07 | 03 | 09 | 04 | 80 | | | | |
| 2496 D | 04 | 34 | 49 | E 108.51 | В | 04 | 08 | 04 | 57 | | | | | 04 | 08 | 04 | 57 | 04 | 11 | 04 | 52 |
| 2496 N | 05 | 28 | 25 | W084.87 | В | 04 | 57 | 05 | 11 | 04 | 56 | 05 | 10 | 04 | 57 | 05 | 10 | | | | |
| 2497 D | 06 | 22 | 03 | E 081.73 | | | | | | | | | | | | | | | | | |
| 2497 N | 07 | 15 | 39 | W111.69 | | | | | | | | | | | | | | | | | |
| 2498 D | 08 | 09 | 18 | E 054.91 | | | | | | | | | | | | | | | | | |
| 2498 N | 09 | 02 | 53 | W138.51 | В | 08 | 42 | 09 | 30 | 08 | 46 | 09 | 29 | 08 | 46 | 09 | 30 | | | | |
| 2499 D | 09 | 56 | 32 | E 028.10 | В | 09 | 30 | 10 | 18 | | | | | 09 | 30 | 10 | 18 | 09 | 32 | 10 | 14 |
| 2499 N | 10 | 50 | 07 | W165.29 | В | 10 | 18 | 10 | 24 | 10 | 35 | 11 | 14 | 10 | 18 | 10 | 24 | | | | |
| 2499 N | 10 | 50 | 07 | W165.29 | Α | 10 | 32 | 11 | 17 | | | | | 10 | 35 | 11 | 17 | | | | |
| 2500 D | 11 | 43 | 46 | E 001.27 | Α | 11 | 17 | 12 | 05 | | | | | 11 | 17 | 12 | 05 | 11 | 19 | 12 | 05 |
| 2500 N | 12 | 37 | 21 | E 167.89 | B/A | 12 | 05 | 13 | 04 | 12 | 12 | 13 | 02 | 12 | 05 | 13 | 04 | | | | |
| 2501 D | 13 | 31 | 00 | W025.50 | В | 13 | 04 | 13 | 53 | | | | | 13 | 04 | 13 | 53 | 13 | 07 | 13 | 52 |
| 2501 N | 14 | 24 | 36 | E 141.07 | Α | 13 | 53 | 14 | 51 | 13 | 59 | 14 | 51 | 13 | 59 | 14 | 51 | | | | |
| 2502 D | 15 | 18 | 14 | W052.33 | Α | 14 | 51 | 15 | 40 | | | | | 14 | 51 | 15 | 40 | 14 | 54 | 15 | 35 |
| 2502 N | 16 | 11 | 50 | E 114.26 | В | 15 | 40 | 16 | 39 | 15 | 42 | 16 | 38 | 15 | 42 | 16 | 39 | | | | |
| 2503 D | 17 | 05 | 28 | W079.14 | В | 16 | 39 | 17 | 27 | | | | | 16 | 39 | 17 | 21 | 16 | 41 | 17 | 23 |
| 2503 N | 17 | 59 | 04 | E 087.48 | Α | 17 | 27 | 18 | 26 | 18 | 12 | 18 | 25 | 17 | 27 | 18 | 26 | | | | |
| 2504 D | 18 | 52 | 42 | W105.97 | Α | 18 | 26 | 19 | 14 | | | | | 18 | 26 | 19 | 09 | 18 | 28 | 19 | 10 |
| 2504 N | 19 | 46 | 18 | E 060.66 | В | 19 | 14 | 20 | 13 | 19 | 14 | 20 | 12 | 19 | 14 | 20 | 13 | | | | |
| 2505 D | 20 | 39 | 56 | W132.78 | B/A | 20 | 13 | 21 | 02 | | | | | 20 | 13 | 21 | 02 | 20 | 16 | 20 | 54 |
| 2505 N | 21 | 33 | 32 | E 033.85 | Α | 21 | 02 | 22 | 00 | 21 | 01 | 22 | 00 | 21 | 02 | 22 | 00 | | | | |
| 2506 D | 22 | 27 | 11 | W159.57 | Α | 22 | 00 | 22 | 42 | | | | | 22 | 00 | 22 | 41 | 22 | 03 | 22 | 41 |
| 2506 N | 23 | 20 | 46 | E 007.02 | Α | | | | | 22 | 49 | 23 | 47 | 22 | 49 | 23 | 48 | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 12 OCTOBER 1970

| DATA | A | SCEND | /DESC | END | | | IR | IIS | | ТН | IR HL | JMIDI | TY | TE | TH MPER | IR RATUR | RE | | ID | cs | |
|--------|----|-------|-------|----------|-------|-----------------|----------|----------|----------|-----|-------|-------|-----|----|------------|-------------|-----|-----|-----|----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | OF | F | 0 | V | 01 | FF | 0 | N | 01 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HRI | MIN | HR | MIN | HR | MIN | HR | MIN | HRI | MIN | HR | MIN |
| 2507 D | 00 | 14 | 25 | E 173.62 | Α | 23 | 59 | 00 | 36 | | | | | 23 | 48 | 00 | 36 | 23 | 50 | 00 | 35 |
| 2507 N | 01 | 08 | 00 | W019.79 | B/A | 00 | 36 | 01 | 35 | 00 | 36 | 01 | 33 | 00 | 36 | 01 | 35 | | | | |
| 2508 D | 02 | 01 | 39 | E 146.80 | В | 01 | 35 | 02 | 23 | | | | | 01 | 35 | 02 | 23 | 01 | 37 | 02 | 19 |
| 2508 N | 02 | 55 | 14 | W046.58 | В | 02 | 23 | 02 | 47 | 02 | 24 | 02 | 47 | 02 | 23 | 02 | 47 | | | | |
| 2509 D | 03 | 48 | 53 | E 119.99 | | | | | | | | | | | | | | | | | |
| 2509 N | 04 | 42 | 28 | W073.39 | | | | | | | | | | | | | | | | | |
| 2510 D | 05 | 36 | 07 | E 093.20 | | | | | | | | | | | | | | | | | |
| 2510 N | 06 | 29 | 43 | W100.21 | | | | | | | | | | | | | | | | | |
| 2511 D | 07 | 23 | 21 | E 066.39 | | | | | | | | | | | | | | | | | |
| 2511 N | 08 | 16 | 57 | W127.03 | В | | | | | 08 | 00 | 08 | 43 | 08 | 00 | 08 | 44 | | | | |
| 2512 D | 09 | 10 | 35 | E 039.56 | В | 09 | 06 | 09 | 32 | | | | | 08 | 44 | 09 | 23 | 08 | 48 | 09 | 28 |
| 2512 N | 10 | 04 | 11 | W153.81 | В | 09 09 | 32 45 | 09 10 | 40 31 | 09 | 45 | 10 | 30 | 09 | 45 | 10 | 31 | | | | |
| 2513 D | 10 | 57 | 49 | E 012.75 | В | 10 | 31 | 11 | 19 | | | | | 10 | 31 | 11 | 19 | 10 | 33 | 11 | 15 |
| 2513 N | 11 | 51 | 25 | E 179.37 | A/B | 11 | 19 | 12 | 18 | 11 | 27 | 12 | 17 | 11 | 19 | 12 | 18 | | | | |
| 2514 D | 12 | 45 | 03 | W014.04 | Α | 12 | 18 | 13 | 07 | | | | | 12 | 18 | 13 | 07 | 12 | 21 | 13 | 02 |
| 2514 N | 13 | 38 | 39 | E 152.55 | В | 13 | 07 | 14 | 05 | 13 | 13 | 14 | 05 | 13 | 13 | 14 | 05 | | | | |
| 2515 D | 14 | 32 | 18 | W040.85 | В | 14 | 05 | 14 | 54 | | | | | 14 | 05 | 14 | 54 | 14 | 80 | 14 | 53 |
| 2515 N | 15 | 25 | 53 | E 125.74 | Α | 14 | 54 | 15 | 53 | 14 | 57 | 15 | 52 | 14 | 57 | 15 | 53 | | | | |
| 2516 D | 16 | 19 | 32 | W067.66 | Α | 15 | 53 | 16 | 41 | | | | | 15 | 53 | 16 | 40 | 15 | 55 | 16 | 40 |
| 2516 N | 17 | 13 | 07 | E 098.95 | В | 16 | 41 | 17 | 40 | 16 | 41 | 17 | 39 | 16 | 41 | 17 | 40 | | | | |
| 2517 D | 18 | 06 | 46 | W094.48 | В | 17 | 40 | 18 | 28 | | | | | 17 | 40 | 18 | 24 | 17 | 42 | 18 | 24 |
| 2517 N | 19 | 00 | 21 | E 072.14 | Α | 18 | 28 | 19 | 27 | 18 | 28 | 19 | 26 | 18 | 28 | 19 | 27 | | | | |
| 2518 D | 19 | 54 | 00 | W121.26 | A | 19 | 27 | 20 | 16 | | | | | 19 | 27 | 20 | 10 | 19 | 30 | 20 | 11 |
| 2518 N | 20 | 47 | 35 | E 045.31 | В | 20 | 16 | 21 | 14 | 20 | 30 | 21 | 13 | 20 | 16 | 21 | 14 | | | | |
| 2519 D | 21 | 41 | 14 | W148.08 | B/A | 21 | 14 | 22 | 01 | | | | | 21 | 14 | 22 | 03 | 21 | 17 | 21 | 58 |
| 2519 N | 22 | 34 | 50 | E 018.50 | Α | 22 | 57 | 23 | 02 | 22 | 03 | 23 | 01 | 22 | 03 | 23 | 02 | | | | |
| 2520 D | 23 | 28 | 28 | W174.90 | Α | 23 | 02 | 23 | 44 | | | | | 23 | 02 | 23 | 44 | 23 | 04 | 23 | 42 |
| 2520 N | 00 | 22 | 04 | W008.29 | Α | 23 | 50 | 00 | 49 | 23 | 50 | 00 | 48 | 23 | 50 | 00 | 49 | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 13 OCTOBER 1970

| DATA | A | SCEND | /DESC | END | | | IR | IS | | THI | RHU | MIDI | ГҮ | TEI | TH MPER | IR ATUF | RE | | ID | cs | |
|--------|----|-------|-------|----------|-------|-----|-----|----|-----|-----|-----|------|-----|-----|------------|------------|-----|-----|------|-----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | 0 F | F | 01 | V | 01 | F | 0 | N | 01 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HRI | MIN | HRI | MIN | HRI | NIÑ | HR | MIN | HRI | MIN | HRI | MIN |
| 2521 D | 01 | 15 | 42 | E 158.28 | Α | 00 | 49 | 01 | 37 | | | | - 2 | 00 | 49 | 01 | 37 | 00 | 51 | 01 | 33 |
| 2521 N | 02 | 09 | 18 | W035.10 | Α | 01 | 37 | 01 | 53 | 01 | 37 | 01 | 51 | 01 | 37 | ,01 | 52 | | , 2 | | |
| 2522 D | 03 | 02 | 56 | E 131.47 | | | 20 | | | | | | a 5 | | | | | | | | |
| 2522 N | 03 | 56 | 32 | W061.92 | В | 03 | 24 | 04 | 23 | 03 | 24 | 04 | 22 | 03 | 24 | 04 | 23 | | | | |
| 2523 D | 04 | 50 | 10 | E 104.68 | В | 04 | 23 | 05 | 12 | | | | | 04 | 23 | 05 | 12 | 04 | 26 | 05 | 07 |
| 2523 N | 05 | 43 | 46 | W088.73 | В | 05 | 12 | 05 | 26 | 05 | 12 | 05 | 25 | 05 | 12 | 05 | 25 | | | | |
| 2523 N | 05 | 43 | 46 | W088.73 | В | 05 | 34 | 06 | 10 | 05 | 34 | 06 | 10 | 05 | 34 | 06 | 10 | | | v , | |
| 2524 D | 06 | 37 | 25 | E 077.87 | В | .06 | 10 | 06 | 59 | | | | | 06 | 10 | 06 | 59 | 06 | 13 | 06 | 55 |
| 2524 N | 07 | 31 | 00 | W115.56 | A/B | 06 | 59 | 07 | 58 | 06 | 59 | 07 | 57 | 06 | 59 | 07 | 58 | | | | |
| 2525 D | 08 | 24 | 39 | E 051.04 | Α | 07 | 58 | 08 | 46 | | | | | 07 | 58 | 08 | 46 | 08 | 00 | 08 | 42 |
| 2525 N | 09 | 18 | 14 | W142.33 | B/A | 08 | 46 | 09 | 45 | 08 | 56 | 09 | 44 | 08 | 46 | 09 | 45 | | | | |
| 2526 D | 10 | 11 | 53 | E 024.23 | В | 09 | 45 | 10 | 33 | | | | | 09 | 45 | 10 | 33 | 09 | 47 | 10 | 29 |
| 2526 N | 11 | 05 | 28 | W169.16 | A/B | 10 | 33 | 11 | 32 | 10 | 42 | 11 | 31 | 10 | 33 | 11 | 20 | | | | |
| 2527 D | 11 | 59 | 07 | W002.56 | В | 11 | 32 | 12 | 16 | | | | | | | | | 11 | 35 | 12 | 20 |
| 2527 N | 12 | 52 | 42 | E 164.03 | В | 12 | 28 | 13 | 19 | 12 | 28 | 13 | 19 | 12 | 28 | 13 | 19 | | | | |
| 2528 D | 13 | 46 | 21 | W029.37 | В | 13 | 19 | 14 | 08 | | | | | 13 | 19 | 14 | 08 | 13 | 22 | 14 | 07 |
| 2528 N | 14 | 39 | 57 | E 137.21 | A | 14 | 08 | 15 | 07 | 14 | 14 | 15 | 06 | 14 | 14 | 15 | 07 | | | | |
| 2529 D | 15 | 33 | 35 | W056.19 | Α | 15 | 07 | 15 | 56 | | | | - | 15 | 07 | 15 | 55 | 15 | 09 | 15 | 54 |
| 2529 N | 16 | 27 | 11 | E 110.43 | В | 1 | | | | 15 | 57 | 16 | 53 | 15 | 57 | 16 | 54 | | | | |
| 2530 D | 17 | 20 | 49 | W083.00 | В | 16 | 57 | 17 | 42 | | | | | 16 | 54 | 17 | 40 | 16 | 56 | 17 | 38 |
| 2530 N | 18 | 14 | 25 | E 083.62 | Α | 17 | 42 | 18 | 41 | 17 | 42 | 18 | 40 | 17 | 42 | 18 | 41 | | | | |
| 2531 D | 19 | 08 | 03 | W109.79 | A | 18 | 41 | 19 | 29 | | a | - 10 | s | 18 | 41 | 19 | 24 | 18 | 44 | 19 | 22 |
| 2531 N | 20 | 01 | 39 | E 056.79 | В | 19 | 29 | 20 | 28 | 19 | 30 | 20 | 26 | 19 | 29 | 20 | 28 | | | | 1 |
| 2532 D | 20 | 55 | 18 | W136.60 | В | 20 | 28 | 21 | 17 | | | | | 20 | 28 | 21 | 11 | 20 | · 38 | 21 | 09 |
| 2532 N | 21 | 48 | 53 | E 029.98 | Α | 21 | 17 | 22 | 15 | 21 | 18 | 22 | 13 | 21 | 17 | 22 | 15 | | | | |
| 2533 D | 22 | 42 | 32 | W163.43 | A | 22 | 15 | 22 | 57 | | | | | 22 | 15 | 22 | 57 | 22 | 18 | 22 | 56 |
| 2533 N | 23 | 36 | 07 | E 003.19 | Α | 23 | 03 | 00 | 03 | 23 | 04 | 00 | 01 | 23 | 04 | 00 | 03 | | | | |
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| | | | | | | 12 | | | | | | | | | | | | | | - | |

TABLE 2-2 SENSOR ON-OFF TIMES DATE 14 OCTOBER 1970

| DATA | A | SCEND | /DESC | END | UBBOO | | IR | IS | | ТНІ | RHU | IMIDI. | ТҮ | TE | TH MPER | IR ATUF | RE | | ID | cs | |
|--------|----|-------|-------|----------|-------|-----|-----|----|-----|-----|-----|--------|-----|-----------------|------------|------------|-----|-----|-----|------|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | 0F | F | 0 | N - | 0 F | F | 0 | N | 01 | F | 0 | N | 01 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HRI | MIN | HRI | MIN | HR | MIN | HRI | MIN | HRI | MIN | HR I | MIN |
| 2534 D | 00 | 29 | 46 | E 169.76 | Α | 00 | 03 | 00 | 51 | | | | | 00 | 03 | 00 | 51 | 00 | 05 | 00 | 47 |
| 2534 N | 01 | 23 | 21 | W023.62 | Α | 00 | 51 | 01 | 06 | 00 | 51 | 01 | 05 | 00 | 51 | 01 | 05 | | | | |
| 2535 D | 02 | 17 | 00 | E 142.97 | | | | | | | | | | | | | | | | | |
| 2535 N | 03 | 10 | 35 | W050.44 | В | 02 | 48 | 03 | 37 | 02 | 49 | 03 | 36 | 02 | 49 | 03 | .37 | 8 | | | |
| 2536 D | 04 | 04 | 14 | E 116.16 | В | 03 | 37 | 04 | 26 | | | | | 03 | 37 | 04 | 26 | 03 | 43 | 04 | 21 |
| 2536 N | 04 | 57 | 49 | W077.25 | В | 04 | 26 | 04 | 44 | 04 | 26 | 04 | 43 | 04 | 26 | 04 | 43 | | | | |
| 2536 N | 04 | 57 | 49 | W077.25 | В | 04 | 50 | 05 | 24 | 04 | 50 | 05 | 24 | 04 | 50 | 05 | 24 | | | | |
| 2537 D | 05 | 51 | 28 | E 089.34 | В | 05 | 24 | 06 | 13 | | | | | 05 | 24 | 06 | 13 | 05 | 27 | 06 | 09 |
| 2537 N | 06 | 45 | 04 | W104.04 | A/B | 06 | 13 | 07 | 12 | 06 | 13 | 07 | 10 | 06 | 13 | 07 | 12 | | | | |
| 2538 D | 07 | 38 | 42 | E 062.52 | Α | 07 | 12 | 08 | 00 | | | | | 07 | 12 | 08 | 00 | 07 | 14 | 07 | 56 |
| 2538 N | 08 | 32 | 18 | W130.85 | B/A | 08 | 00 | 08 | 59 | 08 | 00 | 08 | 58 | 08 | 00 | 08 | 59 | | | | |
| 2539 D | 09 | 25 | 56 | E 035.70 | В | 08 | 59 | 09 | 47 | | | | | 08 | 59 | 09 | 47 | 09 | 01 | 09 | 46 |
| 2539 N | 10 | 19 | 32 | W157.68 | A/B | 09 | 47 | 10 | 46 | 09 | 57 | 10 | 45 | 09 | 47 | 10 | 46 | | | | |
| 2540 D | 11 | 13 | 10 | E 008.92 | Α | 10 | 46 | 11 | 35 | | | | | 10 ⁻ | 46 | 11 | 35 | 10 | 49 | 11 | 30 |
| 2540 N | 12 | 06 | 46 | E 175.51 | B/A | 11. | 35 | 12 | 33 | 11 | 43 | 12 | 32 | 11 | 35 | 12 | 33 | | | | |
| 2541 D | 13 | 00 | 25 | W017.90 | В | 12 | 33 | 13 | 22 | | | | | 12 | 33 | 13 | 22 | 12 | 36 | 13 | 17 |
| 2541 N | 13 | 54 | 00 | E 148.69 | A/B | 13 | 22 | 14 | 21 | 13 | 28 | 14 | 20 | 13 | 22 | 14 | 21 | | | | |
| 2542 D | 14 | 47 | 39 | W044.71 | А | 14 | 21 | 15 | 09 | | | 2 | | 14 | 21 | 15 | 09 | 14 | 23 | 15 | 08 |
| 2542 N | 15 | 41 | 14 | E 121.91 | В | 15 | 09 | 16 | 08 | 15 | 12 | 16 | 07 | 15 | 12 | 16 | 08 | | | | |
| 2543 D | 16 | 34 | 53 | W071.52 | В | 16 | 08 | 16 | 56 | | | | | 16 | 08 | 16 | 55 | 16 | 10 | 16 | 55 |
| 2543 N | 17 | 28 | 28 | E 095.09 | A | 16 | 56 | 17 | 55 | 16 | 57 | 17 | 54 | 16 | 57 | 17 | 55 | | | | |
| 2544 D | 18 | 22 | 07 | W098.31 | Α | 17 | 55 | 18 | 41 | | | | | 17 | 55 | 18 | 40 | 17 | 57 | 18 | 39 |
| 2544 N | 19 | 15 | 42 | E 068.27 | В | 18 | 43 | 19 | 42 | | | | | | | | | | | | |
| 2545 D | 20 | 09 | 21 | W125.12 | Α | 19 | 42 | 20 | 31 | | | | | 20 | 25 | 20 | 31 | | | | |
| 2545 N | 21 | 02 | 56 | E 041.45 | Α | 20 | 31 | 21 | 29 | 20 | 31 | 21 | 29 | 20 | 31 | 21 | 29 | | | | |
| 2546 D | 21 | 56 | 35 | W151.95 | Α | 21 | 29 | 22 | 15 | 21 | 29 | 22 | 14 | 21 | 29 | 22 | 14 | | | | |
| 2546 N | 22 | 50 | | E 014.67 | Α | 22 | 20 | 23 | 17 | 22 | 20 | 23 | 16 | 22 | 20 | 23 | 17 | | | | |
| 2547 D | 23 | 43 | 49 | W178.76 | Α | 23 | 17 | 00 | 05 | | | | | 23 | 17 | 00 | 05 | 23 | 19 | 00 | 01 |
| 2547 N | 00 | 37 | 25 | W012.15 | Α | 00 | 05 | 00 | 23 | 00 | 05 | 00 | 22 | 00 | 05 | 00 | 23 | (8) | | | |
| | | | | | | | | | - | 2 | | | | 2 | 37 | | | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 15 OCTOBER 1970

| DATA | A | SCEND | /DESC | END | | | IR | IS | | ТН | IR HL | MIDI | TY | TE | TH | IR RATUR | RE | | ID | cs | |
|--------|----|-------|-------|----------|-------|----------|----------|----------|----------|-------|-------|-------|-----|----|-----|-------------|-----|----|-----|-----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | OF | F | 0 | N | 01 | FF | 0 | N | 0 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN |
| 2548 D | 01 | 31 | 03 | E 154.46 | | | | | | | | | | | | | | | | | |
| 2548 N | 02 | 24 | 39 | W038.95 | В | 01 | 53 | 02 | 51 | 01 | 58 | 02 | 50 | 01 | 58 | 02 | 51 | | | | |
| 2549 D | 03 | 18 | 17 | E 127.65 | В | 02 | 51 | 03 | 40 | | | | | 02 | 51 | 03 | 40 | 02 | 54 | 03 | 39 |
| 2549 N | 04 | 11 | 53 | W065.78 | В | 03 | 40 | 04 | 00 | 03 | 40 | 03 | 59 | 03 | 40 | 03 | 59 | | | | |
| 2549 N | 04 | 11 | 53 | W065.78 | В | 04 | 08 | 04 | 38 | 04 | 08 | 04 | 37 | 04 | 08 | 04 | 38 | | | | |
| 2550 D | 05 | 05 | 32 | E 100.83 | В | 04 | 38 | 05 | 27 | | | | | 04 | 38 | 05 | 27 | 04 | 41 | 05 | 23 |
| 2550 N | 05 | 59 | 07 | W092.55 | В | 05 05 | 27 48 | 05 06 | 40 26 | 05 | 27 | 05 | 40 | 05 | 27 | 05 | 41 | | | | |
| 2551 D | 06 | 52 | 46 | E 074.02 | В | 06 | 26 | 07 | 14 | | | 201 | | | - | | | | | | |
| 2551 N | 07 | 46 | 21 | W119.38 | Α | 07 | 14 | 08 | 13 | 07 | 31 | 08 | 12 | 07 | 31 | 08 | 13 | | | | |
| 2552 D | 08 | 40 | 00 | E 047.23 | Α | 08 | 13 | 09 | 01 | | | | | 08 | 13 | 09 | 01 | | | | |
| 2552 N | 09 | 33 | 35 | W146.19 | B/A | 09 | 01 | 10 | 00 | 09 | 11 | 09 | 58 | 09 | 01 | 10 | 00 | | | | |
| 2553 D | 10 | 27 | 14 | E 020.42 | В | 10 | 00 | 10 | 48 | | | | | 10 | 00 | 10 | 48 | 10 | 03 | 10 | 44 |
| 2553 N | 11 | 20 | 49 | W173.01 | A/B | 10 | 48 | 11 | 47 | 10 | 56 | 11 | 46 | 10 | 48 | 11 | 47 | | 7 | | |
| 2554 D | 12 | 14 | 28 | W006.41 | Α | 11 | 47 | 12 | 36 | | na S | | | 11 | 47 | 12 | 36 | 11 | 50 | 12 | 31 |
| 2554 N | 13 | 08 | 03 | E 160.21 | B/A | 12 | 36 | 13 | 34 | 12 | 43 | 13 | 34 | 12 | 36 | 13 | 34 | | 12 | | |
| 2555 D | 14 | 01 | 42 | W033.22 | В | 13 | 34 | 14 | 23 | | | | | 13 | 34 | 14 | 23 | 13 | 37 | 14 | 19 |
| 2555 N | 14 | 55 | 18 | E 133.40 | A/B | 14 | 23 | 15 | 22 | 14 | 29 | 15 | 21 | 14 | 23 | 15 | 22 | | | a 8 | |
| 2556 D | 15 | 48 | 56 | W060.04 | A | 15 | 22 | 16 | 10 | | | | | 15 | 22 | 16 | 10 | 15 | 24 | 16 | 06 |
| 2556 N | 16 | 42 | 32 | E 106.58 | В | 16 | 10 | 17 | 09 | 16 | - 11 | 17 | 07 | 16 | 11 | 17 | 09 | | | | |
| 2557 D | 17 | 36 | 10 | W086.82 | В | 17 | 09 | 17 | 57 | | | | | 17 | 09 | 17 | 55 | 17 | 11 | 17 | 53 |
| 2557 N | 18 | 29 | 46 | E 079.76 | Α | 17 | 57 | 18 | 56 | 17 | 57 | 18 | 53 | 17 | 57 | 18 | 56 | | | | |
| 2558 D | 19 | 23 | 25 | W113.64 | A/B | 18 | 56 | 19 | 45 | | | | | 18 | 56 | 19 | 45 | 18 | 59 | 19 | 37 |
| 2558 N | 20 | 17 | 00 | E 052.98 | В | 19 | 45 | 20 | 43 | 19 | 45 | 20 | 42 | 19 | 45 | 20 | 43 | | | | |
| 2559 D | 21 | 10 | 39 | W140.46 | B/A | 20 | 43 | 21 | 26 | | | . // | | 20 | 43 | 21 | 32 | 20 | 46 | 21 | 25 |
| 2559 N | 22 | 04 | 14 | E 026.16 | Α | | | | | 21 | 32 | 22 | 29 | 21 | 32 | 22 | 31 | | | | |
| 2560 D | 22 | 57 | 53 | W167.28 | Α | 23 | 12 | 23 | 19 | | | 7 y x | | 22 | 31 | 23 | 12 | 22 | 37 | 23 | 11 |
| 2560 N | 23 | 51 | 28 | W000.66 | Α | 23 | 19 | 00 | 18 | 23 | 19 | 00 | 16 | 23 | 19 | 00 | 18 | | | | |
| | | 1 | | | | - | | | | 2 - 2 | | | | | | | | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 16 OCTOBER 1970

| DATA | A | SCEND | /DESC | END | првес | | IR | IS | | ТНІ | IR HL | MIDI | TY | TE | TH MPER | IR ATUF | RE | | ID | cs | |
|--------|----|-------|-------|----------|-------|----|-----|----|-----|-----|-------|------|-----|----|------------|------------|-----|-----|-----|----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | OF | F | 01 | V | OF | F | 0 | N | 0 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HRI | MIN | HR | MIN |
| 2561 D | 00 | 45 | 07 | E 165.94 | Α | 00 | 18 | 01 | 06 | | | | | 00 | 18 | 01 | 06 | 00 | 20 | 01 | 06 |
| 2561 N | 01 | 38 | 42 | W027.47 | B/A | 01 | 06 | 02 | 05 | 01 | 07 | 02 | 04 | 01 | 06 | 02 | 05 | | | | |
| 2562 D | 02 | 32 | 21 | E 139.12 | В | 02 | 05 | 02 | 54 | | | | | 02 | 05 | 02 | 54 | 02 | 80 | 02 | 49 |
| 2562 N | 03 | 25 | 56 | W054.30 | В | 02 | 54 | 03 | 23 | 02 | 54 | 03 | 22 | 02 | 54 | 03 | 22 | | | | |
| 2563 D | 04 | 19 | 35 | E 112.31 | | | | | | | | | | | | | | | | | |
| 2563 N | 05 | 13 | 10 | W081.07 | В | 05 | 03 | 05 | 40 | 05 | 04 | 05 | 38 | 05 | 04 | 05 | 40 | | | | |
| 2564 D | 06 | 06 | 49 | E 085.48 | В | 05 | 40 | 06 | 28 | | | | | 05 | 40 | 06 | 28 | 05 | 42 | 06 | 27 |
| 2564 N | 07 | 00 | 25 | W107.90 | A/B | 06 | 28 | 07 | 27 | 06 | 28 | 07 | 26 | 06 | 28 | 07 | 27 | | | | |
| 2565 D | 07 | 54 | 03 | E 058.71 | А | 07 | 27 | 08 | 15 | | | | | 07 | 27 | 08 | 15 | 07 | 29 | 08 | 11 |
| 2565 N | 08 | 47 | 39 | W134.71 | B/A | 08 | 15 | 09 | 14 | 08 | 25 | 09 | 13 | 08 | 15 | 09 | 14 | | | | |
| 2566 D | 09 | 41 | 17 | E 031.88 | В | 09 | 14 | 10 | 02 | | | | | 09 | 14 | 10 | 02 | 09 | 16 | 09 | 58 |
| 2566 N | 10 | 34 | 53 | W161.53 | A/B | 10 | 02 | 11 | 01 | 10 | 11 | 10 | 58 | 10 | 02 | 11 | 01 | | | | |
| 2567 D | 11 | 28 | 32 | E 005.07 | А | 11 | 01 | 11 | 50 | | | | | 11 | 01 | 11 | 50 | 1,1 | 04 | 11 | 49 |
| 2567 N | 12 | 22 | 07 | E 171.69 | B/A | 11 | 50 | 12 | 48 | 11 | 58 | 12 | 47 | 11 | 50 | 12 | 48 | | | | |
| 2568 D | 13 | 15 | 46 | W021.75 | В | 12 | 48 | 13 | 37 | | | | | 12 | 48 | 13 | 37 | 12 | 51 | 13 | 36 |
| 2568 N | 14 | 09 | 21 | E 144.87 | A/B | 13 | 37 | 14 | 36 | 13 | 45 | 14 | 35 | 13 | 37 | 14 | 36 | | | | |
| 2569 D | 15 | 03 | 00 | W048.53 | Α | 14 | 36 | 15 | 24 | | | | | 14 | 36 | 15 | 09 | 14 | 38 | 15 | 23 |
| 2569 N | 15 | 56 | 35 | E 118.06 | В | 15 | 24 | 16 | 23 | 15 | 26 | 16 | 22 | 15 | 26 | 16 | 23 | | | | |
| 2570 D | 16 | 50 | 14 | W075.35 | В | 16 | 23 | 17 | 11 | | | | | 16 | 23 | 17 | 10 | 16 | 25 | 17 | 10 |
| 2570 N | 17 | 43 | 49 | E 091.23 | Α | 17 | 11 | 18 | 10 | 17 | 11 | 18 | 07 | 17 | 11 | 18 | 10 | | | | |
| 2571 D | 18 | 37 | 28 | W102.16 | А | 18 | 10 | 18 | 59 | | | | | 18 | 10 | 18 | 55 | 18 | 13 | 18 | 54 |
| 2571 N | 19 | 31 | 03 | E 064.46 | В | 18 | 59 | 19 | 57 | 18 | 58 | 19 | 56 | 18 | 59 | 19 | 57 | | | | |
| 2572 D | 20 | 24 | 42 | W128.98 | В | 19 | 57 | 20 | 46 | | | | | 19 | 57 | 20 | 40 | 20 | 00 | 20 | 38 |
| 2572 N | 21 | 18 | 17 | E 037.63 | Α | 20 | 46 | 21 | 45 | 20 | 46 | 21 | 43 | 20 | 56 | 21 | 45 | | | | |
| 2573 D | 22 | 11 | 56 | W155.80 | Α | 21 | 45 | 22 | 28 | | | | | 21 | 45 | 22 | 27 | 21 | 47 | 22 | 25 |
| 2573 N | 23 | 05 | 32 | E 010.82 | A | 22 | 33 | 23 | 32 | 22 | 33 | 23 | 30 | 22 | 33 | 23 | 32 | | | | |
| 2574 D | 23 | 59 | 10 | E 177.42 | Α | 23 | 32 | 00 | 20 | | | | | 23 | 32 | 00 | 20 | 23 | 34 | 00 | 19 |
| 2574 N | 00 | 52 | 46 | W016.01 | Α | 00 | 20 | 00 | 36 | 00 | 21 | 00 | 34 | 00 | 20 | 00 | 34 | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | |

TABLE 2-2 SENSOR ON-OFF TIMES DATE 17 OCTOBER 1970

| DATA | A | SCEND | /DESC | END | шррос | | IR | IS | | ТН | IR HU | IMIDI | TY | TE | TH MPER | | RE | | ID | CS | |
|--------|----|-------|-------|-----------------|-------|----|-----|----|-----|----|-------|-------|-----|----|------------|----|-----|----|-----|----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | 01 | F | 0 | N | 01 | FF | 0 | N | 0 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN |
| 2575 D | 01 | 46 | 25 | E 150.60 | | | | | , | | | | | | | | | | | | |
| 2575 N | 02 | 40 | 00 | W042.78 | В | 02 | 11 | 03 | 06 | 02 | 12 | 03 | 05 | 02 | 12 | 03 | 06 | | | | |
| 2576 D | 03 | 33 | 39 | E 123.79 | В | 03 | 06 | 03 | 55 | | | | | 03 | 06 | 03 | 55 | 03 | 09 | 03 | 54 |
| 2576 N | 04 | 27 | 14 | W069.61 | В | 03 | 55 | 04 | 13 | 03 | 55 | 04 | 12 | 03 | 55 | 04 | 14 | | | | |
| 2576 N | 04 | 27 | 14 | W069.61 | В | 04 | 20 | 04 | 53 | 04 | 21 | 04 | 48 | 04 | 21 | 04 | 53 | | | | |
| 2577 D | 05 | 20 | 53 | E 096.96 | В | 04 | 53 | 05 | 42 | | | | | 04 | 53 | 05 | 42 | 04 | 56 | 05 | 41 |
| 2577 N | 06 | 14 | 28 | W096.42 | В | 05 | 52 | 05 | 57 | 05 | 42 | 05 | 54 | 05 | 42 | 05 | 53 | | | | |
| 2577 N | 06 | 14 | 28 | W096.42 | В | 06 | 02 | 06 | 41 | 06 | 03 | 06 | 39 | 06 | 03 | 06 | 41 | | | | |
| 2578 D | 07 | 08 | 07 | E 070.19 | В | 06 | 41 | 07 | 29 | | er. | | | 06 | 41 | 07 | 29 | 06 | 43 | 07 | 25 |
| 2578 N | 08 | 01 | 42 | W123.24 | A/B | 07 | 29 | 08 | 28 | 07 | 29 | 08 | 26 | 07 | 29 | 08 | 28 | | | | |
| 2579 D | 08 | 55 | 21 | E 043.36 | Α | 08 | 28 | 09 | 16 | | | | | 08 | 28 | 09 | 16 | 08 | 31 | 09 | 16 |
| 2579 N | 09 | 48 | 56 | W150.02 | B/A | 09 | 16 | 10 | 15 | 09 | 27 | 10 | 13 | 09 | 16 | 10 | 15 | | | | |
| 2580 D | 10 | 42 | 35 | E 016.55 | В | 10 | 15 | 11 | 04 | | | | | 10 | 15 | 11 | 04 | 10 | 18 | 10 | 59 |
| 2580 N | 11 | 36 | 10 | W176.83 | A/B | 11 | 04 | 12 | 02 | 11 | 12 | 12 | 01 | 11 | 04 | 12 | 02 | | - | | |
| 2581 D | 12 | 29 | 49 | W010.27 | Α | 12 | 02 | 12 | 51 | | | | | 12 | 02 | 12 | 51 | 12 | 05 | 12 | 50 |
| 2581 N | 13 | 23 | 24 | E 156.35 | B/A | 12 | 51 | 13 | 50 | 12 | 58 | 13 | 49 | 12 | 51 | 13 | 50 | | | | |
| 2582 D | 14 | 17 | 03 | W037 .05 | В | 13 | 50 | 14 | 38 | | | | | 13 | 50 | 14 | 38 | 13 | 52 | 14 | 34 |
| 2582 N | 15 | 10 | 38 | E 129.54 | Α | 14 | 38 | 15 | 37 | 14 | 43 | 15 | 36 | 14 | 43 | 15 | 37 | | | | |
| 2583 D | 16 | 04 | 17 | W063.87 | Α | 15 | 37 | 16 | 25 | | | | | 15 | 37 | 16 | 25 | 15 | 46 | 16 | 24 |
| 2583 N | 16 | 57 | 53 | E 102.71 | В | 16 | 25 | 17 | 24 | 16 | 25 | 17 | 22 | 16 | 25 | 17 | 24 | | | | |
| 2584 D | 17 | 51 | 32 | W090.68 | В | 17 | 24 | 18 | 13 | | | | | 17 | 24 | 18 | 08 | 17 | 27 | 18 | 08 |
| 2584 N | 18 | 45 | 07 | E 075.94 | Α | 18 | 13 | 19 | 11 | 18 | 13 | 19 | 09 | 18 | 13 | 19 | 11 | | | | |
| 2585 D | 19 | 38 | 46 | W117.51 | Α | 19 | 11 | 20 | 00 | | | | | 19 | 11 | 19 | 55 | 19 | 14 | 19 | 52 |
| 2585 N | 20 | 32 | 21 | E 049.11 | В | 20 | 00 | 20 | 59 | 20 | 00 | 20 | 56 | 20 | 00 | 20 | 59 | | | | |
| 2586 D | 21 | 26 | 00 | W144.28 | B/A | 20 | 59 | 21 | 47 | | | | | 20 | 59 | 21 | 47 | 21 | 01 | 21 | 39 |
| 2586 N | 22 | 19 | 35 | E 022.30 | Α | 21 | 47 | 22 | 46 | 21 | 47 | 22 | 44 | 21 | 47 | 22 | 46 | - | | | |
| 2587 D | 23 | 13 | 14 | W171.11 | Α | 22 | 46 | 23 | 29 | | | | | 22 | 46 | 23 | 29 | 22 | 48 | 23 | 30 |
| 2587 N | 00 | 06 | 49 | W004.53 | Α | 23 | 35 | 00 | 33 | 23 | 35 | 00 | 32 | 23 | 35 | 00 | 33 | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | , | | 0.0 | | | | |
| | | | | | v | | | | | | | | A | | | | | | | | |

TABLE 2-2 SENSOR ON-OFF TIMES DATE 18 OCTOBER 1970

| DATA | А | SCEND | /DESC | END | | | IR | IS | | ТН | IR HL | JMIDI | TY | TE | TH | IR RATUR | RE | | ID | cs | |
|--------|----|-------|-------|----------|-------|----|------|------|-----|----|-------|-------|-----|------|-----|-------------|-----|-----|-----|----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | 01 | F | 0 | N | 01 | FF | 0 | N | 0 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HRI | MIN | HR | MIN |
| 2588 D | 01 | 00 | 28 | E 162.08 | А | 00 | 33 | . 01 | 21 | | | | | 00 | 33 | 01 | 21 | 00 | 36 | 01 | 14 |
| 2588 N | 01 | 54 | 03 | W031.30 | B/A | 01 | 21 | 02 | 20 | 01 | 22 | 02 | 18 | 01 | 21 | 02 | 20 | | | | |
| 2589 D | 02 | 47 | 42 | E 135.26 | В | 02 | 20 | 03 | 09 | | | | | 02 | 20 | 03 | 09 | 02 | 23 | 03 | 04 |
| 2589 N | 03 | 41 | 17 | W058.13 | В | 03 | 09 | 03 | 30 | 03 | 09 | 03 | 28 | 03 | 09 | 03 | 30 | | | | |
| 2590 D | 04 | 34 | 56 | E 108.48 | | | | | | | | | | | | | | | | | |
| 2590 N | 05 | 28 | 31 | W084.94 | В | 05 | 18 | 05 | 55 | 05 | 18 | 05 | 53 | 05 | 18 | 05 | 55 | | | | |
| 2591 D | 06 | 22 | 10 | E 081.66 | В | 05 | 55 | 06 | 43 | 12 | | | | 05 | 55 | 06 | 43 | 05 | 57 | 06 | 42 |
| 2591 N | 07 | 15 | 45 | W111.76 | A/B ' | 06 | 43 | 07 | 42 | 06 | 44 | 07 | 41 | 06 | 43 | 07 | 42 | | | | |
| 2592 D | 08 | 09 | 24 | E 054.84 | Α | 07 | 42 | 08 | 30 | | | | | 07 | 42 | 08 | 30 | 07 | 44 | 08 | 26 |
| 2592 N | 09 | 03 | 00 | W138.54 | B/A | 08 | 30 | 09 | 29 | 08 | 40 | 09 | 27 | 08 | 30 | 09 | 29 | | | | |
| 2593 D | 09 | 56 | 39 | E 028.02 | В | 09 | 29 | 10 | 18 | | | | | 09 | 29 | 10 | 18 | 09 | 32 | 10 | 17 |
| 2593 N | 10 | 50 | 14 | W165.36 | Α | 10 | 18 | 11 | 16 | 10 | 26 | 11 | 15 | 10 | 26 | 11 | 16 | | | | |
| 2594 D | 11 | 43 | 53 | E 001.21 | А | 11 | 16 | 12 | 05 | | | | | 11 | 16 | 12 | 05 | 11 | 19 | 12 | 00 |
| 2594 N | 12 | 37 | 28 | E 167.83 | B/A | 12 | 05 | 13 | 04 | 12 | 13 | 13 | 02 | 12 | 05 | 13 | 04 | | | | |
| 2595 D | 13 | 31 | 07 | W025.58 | В | 13 | 04 | 13 | 52 | | | | | 13 | 04 | 13 | 52 | 13 | 06 | 13 | 51 |
| 2595 N | 14 | 24 | 42 | E 141.00 | A/B | 13 | 52 | 14 | 51 | 13 | 58 | 14 | 49 | 13 | 52 | 14 | 51 | | | | |
| 2596 D | 15 | 18 | 21 | W052.39 | А | 14 | 51 | 15 | 39 | | | | | 14 | 51 | 15 | 39 | 14 | 53 | 15 | 35 |
| 2596 N | 16 | 11 | 56 | E 114.23 | В | 15 | 39 | 16 | 38 | 15 | 41 | 16 | 36 | 15 | 41 | 16 | 38 | | | | |
| 2597 D | 17 | 05 | 35 | W079.22 | В | 16 | 38 | 17 | 26 | | | | | 16 | 38 | 17 | 25 | 16 | 41 | 17 | 22 |
| 2597 N | 17 | 59 | 10 | E 087.40 | А | 17 | 26 | 18 | 25 | 17 | 27 | 18 | 22 | - 17 | 27 | 18 | 25 | | | | |
| 2598 D | 18 | 52 | 49 | W106.03 | . A | 18 | 25 | 19 | 14 | | | | | 18 | 25 | 19 | 09 | 18 | 28 | 19 | 06 |
| 2598 N | 19 | 46 | 24 | E 060.59 | В | 19 | 14 | 20 | 12 | 19 | 14 | 20 | 11 | 19 | 14 | 20 | 12 | | | | |
| 2599 D | 20 | 40 | 03 | W132.80 | B/A | 20 | 12 | 21 | 01 | | | | | 20 | 12 | 21 | 01 | 20 | 15 | 20 | 53 |
| 2599 N | 21 | 33 | 38 | E 033.77 | А | 21 | . 01 | 22 | 00 | 21 | 02 | 21 | 58 | 21 | 01 | 22 | 00 | | | | |
| 2600 D | 22 | 27 | 17 | W159.63 | Α | 22 | 00 | 22 | 42 | | | | | 22 | 00 | 22 | 42 | ·22 | 02 | 22 | 40 |
| 2600 N | 23 | 20 | 52 | E 006.99 | А | 22 | 48 | 23 | 47 | 22 | 49 | 23 | 45 | 22 | 48 | 23 | 47 | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 19 OCTOBER 1970

| DATA | A | SCEND No | /DESC | END | присс | | IR | IS | | THI | RHL | MIDI | ΓY | TEI | TH MPER | IR ATUF | RE | | ID | cs | |
|--------|----|-------------|-------|----------|-------|----|-----|----|-----|-----|-----|------|-----|-----|------------|------------|-------|-----|-----|-----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | OF | F | 10 | V | OF | F | 0 | N | 01 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HRI | MIN | HRI | MIN | HRI | MIN | HRI | MIN S | HRI | MIN | HRI | MIN |
| 2601 D | 00 | 14 | 31 | E 173.56 | Α | 23 | 47 | 00 | 35 | | | | | 23 | 47 | 00 | 35 | 23 | 50 | 00 | 35 |
| 2601 N | 01 | 08 | 07 | W019.83 | Α | 00 | 35 | 00 | 51 | 00 | 36 | 00 | 49 | 00 | 35 | 00 | 50 | | | | |
| 2602 D | 02 | 01 | 46 | E 146.74 | | | | | | | | | | | | | | | | | |
| 2602 N | 02 | 55 | 21 | W046.65 | В | 02 | 26 | 03 | 31 | 02 | 26 | 03 | 20 | 02 | 26 | 03 | 21 | | | | |
| 2603 D | 03 | 49 | 00 | E 119.96 | В | 03 | 21 | 04 | 10 | | | | | 03 | 21 | 04 | 10 | 03 | 24 | 04 | 05 |
| 2603 N | 04 | 42 | 35 | W073.47 | В | 04 | 10 | 04 | 28 | 04 | 10 | 04 | 27 | 04 | 10 | 04 | 27 | | | | |
| 2603 N | 04 | 42 | 35 | W073.47 | В | 04 | 34 | 05 | 09 | 04 | 34 | 05 | 07 | 04 | 34 | 05 | 09 | | | | |
| 2604 D | 05 | 36 | 14 | E 093.14 | В | 05 | 09 | 05 | 57 | | | | | 05 | 09 | 05 | 57 | 05 | 11 | 05 | 56 |
| 2604 N | 06 | 29 | 49 | W100.28 | В | 05 | 57 | 06 | 13 | 05 | 58 | 06 | 12 | 05 | 57 | 06 | 13 | | | | |
| 2604 N | 06 | 29 | 49 | W100.28 | В | 06 | 19 | 06 | 56 | 06 | 19 | 06 | 55 | 06 | 19 | 06 | 56 | | | | |
| 2605 D | 07 | 23 | 27 | E 066.33 | В | 06 | 56 | 07 | 44 | | | | | 06 | 56 | 07 | 44 | 06 | 58 | 07 | 44 |
| 2605 N | 08 | 17 | 03 | W127.06 | A/B | 07 | 44 | 08 | 43 | 07 | 45 | 08 | 41 | 07 | 44 | 08 | 43 | | | | |
| 2606 D | 09 | 10 | 42 | E 039.50 | Α | 08 | 43 | 09 | 32 | | | | | 08 | 43 | 09 | 32 | 08 | 46 | 09 | 31 |
| 2606 N | 10 | 04 | 17 | W153.88 | B/A | 09 | 32 | 10 | 30 | 09 | 42 | 10 | 29 | 09 | 32 | 10 | 30 | | | | |
| 2607 D | 10 | 57 | 56 | E 012.73 | В | 10 | 30 | 11 | 19 | | | | | 10 | 30 | . 11 | 19 | 10 | 33 | 11 | 18 |
| 2607 N | 11 | 51 | 31 | E 179.31 | A/B | 11 | 19 | 12 | 18 | 11 | 28 | 12 | 16 | 11 | 19 | 12 | 18 | | | | |
| 2608 D | 12 | 45 | 10 | W014.10 | Α | 12 | 18 | 13 | 06 | | | | | 12 | 18 | 13 | 06 | | | | |
| 2608 N | 13 | 38 | 45 | E 152.48 | B/A | 13 | 06 | 14 | 05 | 13 | 13 | 14 | 03 | 13 | 06 | 14 | 05 | | | | |
| 2609 D | 14 | 32 | 24 | W040.91 | В | 14 | 05 | 14 | 53 | | | | | 14 | 05 | 14 | 53 | 14 | 07 | 14 | 49 |
| 2609 N | 15 | 25 | 59 | E 125.71 | Α | 14 | 53 | 15 | 52 | 14 | 57 | 15 | 50 | 14 | 57 | 15 | 52 | | | | |
| 2610 D | 16 | 19 | 39 | W067.74 | Α | 15 | 52 | 16 | 40 | 8 | | | | 15 | 52 | 16 | 40 | 15 | 54 | 16 | 35 |
| 2610 N | 17 | 13 | 14 | E 098.88 | В | 16 | 40 | 17 | 39 | 16 | 40 | 17 | 38 | 16 | 40 | 17 | 39 | | | | |
| 2611 D | 18 | 06 | 53 | W094.55 | в | 17 | 39 | 18 | 28 | | | | | 17 | 39 | 18 | 24 | 17 | 42 | 18 | 23 |
| 2611 N | 19 | 00 | 28 | E 072.07 | Α | 18 | 28 | 19 | 26 | 18 | 27 | 19 | 25 | 18 | 28 | 19 | 26 | | | | |
| 2612 D | 19 | 54 | 07 | W121.34 | Α | 19 | 26 | 20 | 15 | | | | | 19 | 26 | 20 | 08 | 19 | 29 | 20 | 11 |
| 2612 N | 20 | 47 | 42 | E 045.25 | В | 20 | 15 | 21 | 14 | 20 | 15 | 21 | 13 | 20 | 15 | 21 | 14 | | | | |
| 2613 D | 21 | 41 | 21 | W148.15 | В | 21 | 14 | 21 | 57 | | | | | 21 | 14 | 21 | 56 | 21 | 16 | 21 | 54 |
| 2613 N | 22 | 34 | 56 | E 018.47 | | | | | | | | | | | | | - | 27 | | | |
| 2614 D | 23 | 28 | 35 | W174.97 | | | 5 9 | | | | | - 2 | | | | | | | | | |
| 2614 N | 00 | 22 | 10 | W008.35 | Α | 23 | 51 | 00 | 48 | 23 | 51 | 00 | 47 | 23 | 51 | 00 | 48 | | | | |
| | | | | | | | | | | | | | | | | | | | | | |

TABLE 2-2 SENSOR ON-OFF TIMES DATE 20 OCTOBER 1970

| AS | SCEND No | | END | UDDGG | | IR | IS | | ТНІ | RHU | IMIDI | ГҮ | TEI | TH MPER | | RE | | ID | cs | |
|----|--|--|--|--|--|--|------|------|------|------|-------|------|---------------------------------------|------------|------|--|---------------------------------------|---------------------------------------|------|---|
| | TIME | | LONG | HDR22 | 0 | N | OF | F | 0 | N | OF | F | 01 | V | OF | F | 01 | N | 01 | FF |
| HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HRI | MIN | HRI | MIN | HRI | VIIN | HRI | MIN | HRI | MIN | HRI | MIN |
| 01 | 15 | 49 | E 158.22 | Α | 00 | 48 | 01 | 37 | | | | | 00 | 48 | 01 | 37 | 00 | 51 | 01 | 36 |
| 02 | 09 | 24 | W035.17 | B/A | 01 | 37 | 02 | 35 | 01 | 37 | 02 | 34 | 01 | 37 | 02 | 35 | | | | |
| 03 | 03 | 03 | E 131.43 | В | 02 | 35 | 03 | 24 | | | | | 02 | 35 | 03 | 24 | 02 | 38 | 03 | 23 |
| 03 | 56 | 38 | W061.99 | В | 03 | 24 | 03 | 53 | 03 | 24 | 03 | 52 | 03 | 24 | 03 | 53 | | | | |
| 04 | 50 | 17 | E 104.62 | ÷ | | | | | | | | | | | | | | | | |
| 05 | 43 | 52 | W088.77 | В | 05 | 33 | 06 | 10 | 05 | 33 | 06 | 09 | 05 | 33 | 06 | 10 | | | | |
| 06 | 37 | 31 | E 077.79 | В | 06 | 10 | 06 | 59 | | | | | 06 | 10 | 06 | 58 | 06 | 12 | 06 | 57 |
| 07 | 31 | 06 | W115.59 | A/B | 07 | 16 | 07 | 57 | 07 | 16 | 07 | 56 | 06 | 58 | 07 | 57 | | | | |
| 80 | 24 | 46 | E 050.98 | Α | 07 | 57 | 08 | 46 | | | | | 07 | 57 | 08 | 46 | 08 | 00 | 08 | 45 |
| 09 | 18 | 21 | W142.40 | B/A | 08 | 46 | 09 | 44 | 08 | 56 | 09 | 43 | 08 | 46 | 09 | 44 | | | | |
| 10 | 12 | 00 | E 024.19 | В | 09 | 44 | 10 | 33 | | | | | 09 | 44 | 10 | 33 | 09 | 47 | 10 | 28 |
| 11 | 05 | 35 | W169.23 | A/B | 10 | 33 | 11 | 31 | 10 | 43 | 11 | 30 | 10 | 33 | 11 | 19 | | | | |
| 11 | 59 | 14 | W002.62 | A | 11 | 31 | 12 | 20 | | | | | | | | | 11 | 34 | 12 | 16 |
| 12 | 52 | 49 | E 164.00 | В | 12 | 20 | 13 | 19 | 12 | 29 | 13 | 17 | 12 | 29 | 13 | 19 | | | | |
| 13 | 46 | 28 | W029.44 | В | 13 | 19 | 14 | 07 | | | | | 13 | 19 | 14 | 07 | 13 | 21 | 14 | 06 |
| 14 | 40 | 03 | E 137.17 | A/B | 14 | 07 | 15 | 06 | 14 | 13 | 15 | 04 | 14 | 07 | 15 | 06 | | | | |
| 15 | 33 | 42 | W056.25 | Α | 15 | 06 | 15 | 54 | | | | | 15 | 06 | 15 | 54 | 15 | 08 | 15 | 50 |
| 16 | 27 | 17 | E 110.36 | В | 15 | 54 | 16 | 53 | 15 | 57 | 16 | 52 | 15 | 57 | 16 | 53 | | | | |
| 17 | 20 | 56 | W083.04 | В | 16 | 53 | 17 | 42 | | | | | 16 | 53 | 17 | 39 | 16 | 53 | 17 | 34 |
| 18 | 14 | 31 | E 083.54 | Α | 17 | 42 | 18 | 40 | 17 | 42 | 18 | 39 | 17 | 42 | 18 | 40 | | | | |
| 19 | 08 | 10 | W109.85 | Α | 18 | 40 | 19 | 29 | | | | | 18 | 40 | 19 | 24 | 18 | 43 | 19 | 21 |
| 20 | 01 | 45 | E 056.73 | В | 19 | 29 | 20 | 28 | 19 | 29 | 20 | 26 | 19 | 29 | 20 | 28 | | | | |
| 20 | 55 | 24 | W136.67 | В | 20 | 28 | 21 | 16 | | | | | 20 | 28 | 21 | 12 | 20 | 30 | 21 | 08 |
| 21 | 48 | 59 | E 029.94 | Α | 21 | 16 | 22 | 15 | 21 | 16 | 22 | 14 | 21 | 16 | 22 | 15 | | | | |
| 22 | 42 | 38 | W163.49 | Α | 22 | 15 | 23 | 01 | x) | | | | 22 | 15 | 23 | 00 | 22 | 17 | 22 | 59 |
| 23 | 36 | 13 | E 003.13 | | | | | | | | | | | | - 1 | | | | | |
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| | 01 02 03 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 | TIME HR MIN 01 15 02 09 03 03 03 56 04 50 05 43 06 37 07 31 08 24 09 18 10 12 11 05 11 59 12 52 13 46 14 40 15 33 16 27 17 20 18 14 19 08 20 01 20 55 21 48 22 42 | HR MIN SEC 01 15 49 02 09 24 03 56 38 04 50 17 05 43 52 06 37 31 07 31 06 08 24 46 09 18 21 10 12 00 11 59 14 12 52 49 13 46 28 14 40 03 15 33 42 16 27 17 17 20 56 18 14 31 19 08 10 20 55 24 21 48 59 22 42 38 | TIME LONG HR MIN SEC DEG 01 15 49 E 158.22 02 09 24 W035.17 03 03 E 131.43 03 56 38 W061.99 04 50 17 E 104.62 05 43 52 W088.77 06 37 31 E 077.79 07 31 06 W115.59 08 24 46 E 050.98 09 18 21 W142.40 10 12 00 E 024.19 11 05 35 W169.23 11 59 14 W002.62 12 52 49 E 164.00 13 46 28 W029.44 14 40 03 E 137.17 15 33 42 W056.25 16 27 17 E 110.36 | TIME LONG HDRSS HDRSS HDRSS HR MIN SEC DEG DEG | TIME LONG HDRSS O HR MIN SEC DEG HR 01 15 49 E 158.22 A 00 02 09 24 W035.17 B/A 01 03 56 38 W061.99 B 03 04 50 17 E 104.62 | Node | TIME | TIME | TIME | TIME | TIME | No No No No No No No No | TIME | TIME | TIME MIN SEC DEG DEG DEG MR MIN NE MIN MR MIN NE MIN MR MIN MI | No No No No No No No No | No No No No No No No No | Name | The column Th |

TABLE 2-2 SENSOR ON-OFF TIMES DATE 21 OCTOBER 1970

| DATA | A | SCEND | /DESC | END | uppee. | | IR | IS | | тн | IR HU | MIDI | TY | TE | TH | IR ATUF | RE | | ID | cs | |
|--------|----|-------|-------|----------|--------|----------|-----|----|-----|----|-------|------|-----|----|-----|------------|-----|----------|-----|-----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | OF | F | 01 | V | OF | F | 0 | N | 01 | F |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HRI | MIN | HRI | MIN |
| 2628 D | 00 | 29 | 53 | E 169.70 | Α | .00 | 12 | 00 | 51 | | | | | 00 | 13 | 00 | 51 | 00 | 15 | 00 | 50 |
| 2628 N | 01 | 23 | 27 | W023.70 | Α | 00 | 51 | 01 | 49 | 00 | 51 | 01 | 48 | 00 | 51 | 01 | 49 | | - | | |
| 2629 D | 02 | 17 | 07 | E 142.91 | A/B | 01 | 49 | 02 | 38 | | | | | 01 | 49 | 02 | 38 | | | | |
| 2629 N | 03 | 10 | 42 | W050.51 | В | 02 | 38 | 03 | 37 | 02 | 38 | 03 | 35 | 02 | 38 | 03 | 37 | | | | |
| 2630 D | 04 | 04 | 21 | E 116.10 | В | 03 | 37 | 04 | 15 | | | | | 03 | 37 | 04 | 14 | 03 | 39 | 04 | 14 |
| 2630 N | 04 | 57 | 56 | W077.29 | Α | 04 | 53 | 05 | 24 | 04 | 54 | 05 | 23 | | | | | | | | |
| 2631 D | 05 | 51 | 35 | E 089.27 | Α | 05 | 24 | 06 | 12 | | | | | | | | | 05 | 26 | 06 | 11 |
| 2631 N | 06 | 45 | 10 | W104.11 | B/A | 06 | 12 | 07 | 11 | 06 | 12 | 07 | 10 | 06 | 31 | 07 | 11 | | | | |
| 2632 D | 07 | 38 | 49 | E 062.46 | В | 07 | 11 | 07 | 59 | | | | | 07 | 11 | 07 | 59 | 07 | 14 | 07 | 59 |
| 2632 N | 08 | 32 | 24 | W130.92 | A/B | 07 | 59 | 08 | 58 | 08 | 10 | 08 | 57 | 07 | 59 | 08 | 58 | | | | |
| 2633 D | 09 | 26 | 03 | E 035.67 | Α | 08 | 58 | 09 | 47 | | | - | | 08 | 58 | 09 | 47 | 09 | 01 | 09 | 46 |
| 2633 N | 10 | 19 | 38 | W157.75 | B/A | 09 | 47 | 10 | 45 | 09 | 56 | 10 | 44 | 09 | 47 | 10 | 45 | | | | |
| 2634 D | 11 | 13 | 17 | E 008.86 | В | 10 | 45 | 11 | 34 | | | | | 10 | 45 | 11 | 34 | 10 | 48 | 11 | 33 |
| 2634 N | 12 | 06 | 52 | E 175.48 | A/B | 11 | 34 | 12 | 33 | 11 | 43 | 12 | 32 | 11 | 34 | 12 | 33 | | | | |
| 2635 D | 13 | 00 | 31 | W017.96 | Α | 12 | 33 | 13 | 21 | | | | | 12 | 33 | 13 | 21 | 12 | 35 | 13 | 20 |
| 2635 N | 13 | 54 | 06 | E 148.65 | B/A | 13 | 21 | 14 | 20 | 13 | 28 | 14 | 19 | 13 | 21 | 14 | 20 | | | | |
| 2636 D | 14 | 47 | 45 | W044.77 | В | 14 | 20 | 15 | 08 | | | | | 14 | 20 | 15 | 08 | 14 | 22 | 15 | 07 |
| 2636 N | 15 | 41 | 20 | E 121.84 | Α | 15 | 08 | 16 | 07 | 15 | . 12 | 16 | 06 | 15 | 12 | 16 | 07 | | | | |
| 2637 D | 16 | 35 | 00 | W071.56 | Α | 16 | 07 | 16 | 56 | | | | | 16 | 07 | 16 | 55 | 16 | 10 | 16 | 55 |
| 2637 N | 17 | 28 | 34 | E 095.02 | В | 16 | 56 | 17 | 54 | 16 | 56 | 17 | 53 | 16 | 56 | 17 | 54 | | | | |
| 2638 D | 18 | 22 | 14 | W098.37 | В | 17 | 54 | 18 | 43 | | | | | 17 | 54 | 18 | 39 | 17 | 57 | 18 | 38 |
| 2638 N | 19 | 15 | 49 | E 068.24 | Α | 18 | 43 | 19 | 42 | 18 | 43 | 19 | 41 | 18 | 43 | 19 | 42 | | | 5,4 | |
| 2639 D | 20 | 09 | 28 | W125.20 | Α | 19 | 42 | 20 | 30 | | | - | | 19 | 42 | 20 | 25 | 19 | 44 | 20 | 22 |
| 2639 N | 21 | 03 | 03 | E 041.42 | В | 20 | 30 | 21 | 29 | 20 | 30 | 21 | 28 | 20 | 30 | 21 | 29 | | | | |
| 2640 D | 21 | 56 | 42 | W152.01 | В | 21 | 29 | 22 | 11 | | | | | 21 | 29 | 22 | 10 | 21 | 31 | 22 | 10 |
| 2640 N | 22 | 50 | 17 | E 014.61 | | | | | | | | | | | | - | | | | | |
| 2641 D | 23 | 43 | 56 | W178.80 | Α | 23 | 30 | 00 | 05 | | | | | 23 | 31 | 00 | 05 | 23 | 32 | 00 | 00 |
| 2641 N | 00 | 37 | 31 | W012.22 | Α | 00 | 05 | 01 | 03 | 00 | 05 | 01 | 02 | 00 | 05 | 01 | 03 | | | | |
| | | | | | | _ | | | | | | | | | | | | | | | |
| | - | | | | | - | | | - | | | | | | | | | | | | |
| | | | | L | | <u> </u> | | | | | | | | | | | | <u> </u> | | | |

TABLE 2-2 SENSOR ON-OFF TIMES DATE 22 OCTOBER 1970

| DATA | A | SCEND | /DESC | END | LIBBOO | | IR | IS | | ТН | IR HL | IMIDI | ΤY | TE | TH | IR ATUR | RE | | ID | CS | |
|--------|----|-------|-------|----------|--------|----|-----|------|-----|----|-------|-------|-----|----|-----|------------|-----|----|------|----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | OF | F | 0 | N | 01 | FF | 0 | N | 0 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HR | MIN | HRI | MIN | HR | MIN | HR | MIN |
| 2642 D | 01 | 31 | 10 | E 154.39 | A/B | 01 | 03 | - 01 | 52 | | | | | 01 | 03 | 01 | 52 | | | | |
| 2642 N | 02 | 24 | 45 | W038.99 | В | 01 | 52 | 02 | 50 | 01 | 52 | 02 | 49 | 01 | 52 | 02 | 50 | | | | |
| 2643 D | 03 | 18 | 24 | E 127.57 | В | 02 | 50 | . 03 | 33 | | | | | 02 | 50 | 03 | 32 | 02 | 53 | 03 | 31 |
| 2643 N | 04 | 11 | 50 | W065.82 | В | 04 | 06 | 04 | 38 | 04 | 06 | 04 | 36 | 04 | 07 | 04 | 38 | | | | |
| 2644 D | 05 | 05 | 38 | E 100.75 | В | 04 | 38 | 05 | 26 | | | | | 04 | 38 | 05 | 26 | 04 | 40 | 05 | 25 |
| 2644 N | 05 | 59 | 13 | W092.63 | В | 05 | 26 | 05 | 43 | 05 | 26 | 05 | 43 | 05 | 26 | 05 | 43 | | | | |
| 2644 N | 05 | 59 | 13 | W092.63 | В | 05 | 49 | 06 | 25 | 05 | 49 | 06 | 22 | 05 | 49 | 06 | 25 | | | | |
| 2645 D | 06 | 52 | 53 | E 073.93 | В | 06 | 25 | 07 | 13 | | | | | 06 | 25 | 07 | 13 | 06 | 28 | 07 | 13 |
| 2645 N | 07 | 46 | 27 | W119.46 | A/B | 07 | 13 | 08 | 12 | 07 | 13 | 08 | 11 | 07 | 13 | 08 | 12 | | | | |
| 2646 D | 08 | 40 | 07 | E 047.15 | А | 08 | 12 | 09 | 01 | | | | | 08 | 12 | 09 | 01 | 08 | 15 | 09 | 00 |
| 2646 N | 09 | 33 | 41 | W146.27 | B/A | 09 | 01 | 09 | 59 | 09 | 11 | 09 | 58 | 09 | 01 | 09 | 59 | | | | |
| 2647 D | 10 | 27 | 21 | E 020.33 | В | 09 | 59 | 10 | 48 | | | | | 09 | 59 | 10 | 48 | 10 | 02 | 10 | 47 |
| 2647 N | 11 | 20 | 55 | W173.06 | A/B | 10 | 48 | 11 | 47 | 10 | 57 | 11 | 46 | 10 | 48 | 11 | 47 | я | | | |
| 2648 D | 12 | 14 | 35 | W006.48 | Α | 11 | 47 | 12 | 35 | | | | | 11 | 47 | 12 | 35 | 11 | 49 | 12 | 31 |
| 2648 N | 13 | 08 | 10 | E 160.13 | B/A | 12 | 35 | 13 | 34 | 12 | 42 | 13 | 33 | 12 | 35 | 13 | 34 | | | | |
| 2649 D | 14 | 01 | 49 | W033.31 | В | 13 | 34 | 14 | 22 | | | | | 13 | 34 | 14 | 22 | 13 | . 36 | 14 | 18 |
| 2649 N | 14 | 55 | 24 | E 133.31 | A/B | 14 | 22 | 15 | 21 | 14 | 27 | 15 | 20 | 14 | 22 | 15 | 21 | | | | |
| 2650 D | 15 | 49 | 03 | W060.08 | Α | 15 | 21 | 16 | 10 | | | | | 15 | 21 | 16 | 10 | 15 | 23 | 16 | 05 |
| 2650 N | 16 | 42 | 38 | E 106.50 | В | 16 | 10 | 17 | 08 | 16 | 12 | 17 | 07 | 16 | 12 | 17 | 08 | | | | |
| 2651 D | 17 | 36 | 17 | W086.91 | В | 17 | 08 | 17 | 57 | | | | | 17 | 08 | 17 | 55 | 17 | 11 | 17 | 56 |
| 2651 N | 18 | 29 | 52 | E 079.71 | • A | 17 | 57 | 18 | 56 | 17 | 58 | 18 | 55 | 17 | 57 | 18 | 56 | | | | |
| 2652 D | 19 | 23 | 31 | W113.72 | А | 18 | 56 | 19 | 44 | | | | | 18 | 56 | 19 | 39 | 18 | 58 | 19 | 36 |
| 2652 N | 20 | 17 | 06 | E 052.90 | В | 19 | 44 | 20 | 43 | 19 | 44 | 20 | 42 | 19 | 44 | 20 | 43 | | | | |
| 2653 D | 21 | 10 | 45 | W140.53 | В | 20 | 43 | 21 | 31 | | | | | 20 | 43 | 21 | 25 | 20 | 49 | 21 | 23 |
| 2653 N | 22 | 04 | 20 | E 026.08 | Α | 21 | 31 | 22 | 30 | 21 | 31 | 22 | 29 | 21 | 31 | 22 | 30 | | | | |
| 2654 D | 22 | 58 | 00 | W167.32 | Α | 22 | 30 | 23 | 13 | | | | | 22 | 30 | 23 | 13 | 22 | 33 | 23 | 11 |
| 2654 N | 23 | 51 | 34 | W000.74 | Α | 23 | 19 | 00 | 17 | 23 | 19 | 00 | 16 | 23 | 19 | 00 | 17 | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 23 OCTOBER 1970

| DATA | A | SCEND | /DESC | END | 110,000 | | IR | IS | | ТНІ | RHU | IMIDI | ГҮ | TEI | TH WPER | IR ATUR | ΙE | | ID | CS | |
|--------|----|-------|-------|----------|---------|-----|-----|-----|-----|-----|-----|-------|-----|-----|------------|------------|-----|----|-----|-----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | 0F | F | 01 | N | 0 F | F | 10 | V | OF | F | 10 | V | OF | F |
| | HR | MIN | SEC | DEG | | HRI | MIN | HRI | VIN | HR | NIN | HRI | NIN | HRI | NIN | HR | MIN | HR | ΛIN | HRI | VIN |
| 2655 D | 00 | 45 | 14 | E 165.87 | Α | 00 | 17 | 01 | 06 | | | | | 00 | 17 | 01 | 06 | 00 | 20 | 01 | 05 |
| 2655 N | 01 | 38 | 48 | W027.52 | Α | 01 | 06 | 01 | 21 | 01 | 06 | 01 | 20 | 01 | 06 | 01 | 20 | | | | |
| 2656 D | 02 | 32 | 28 | E 139.05 | | | | | 1 | | | | | | | | | | | | |
| 2656 N | 03 | 26 | 02 | W054.34 | В | 02 | 53 | 03 | 52 | 02 | 53 | 03 | 51 | 02 | 53 | 03 | 52 | | | | |
| 2657 D | 04 | 19 | 42 | E 112.23 | В | 03 | 52 | 04 | 40 | | | | | 03 | 52 | 04 | 40 | 03 | 54 | 04 | 36 |
| 2657 N | 05 | 13 | 17 | W081.15 | В | 04 | 40 | 04 | 55 | 04 | 40 | 04 | 54 | 04 | 40 | 04 | 54 | | | | |
| 2657 N | 05 | 13 | 17 | W081.15 | В | 05 | 03 | 05 | 39 | 05 | 04 | 05 | 37 | 05 | 04 | 05 | 39 | | | | |
| 2658 D | 06 | 06 | 56 | E 085.45 | В | 05 | 39 | 06 | 27 | | | | | 05 | 39 | 06 | 27 | 05 | 41 | 06 | 23 |
| 2658 N | 07 | 00 | 31 | W107.98 | A/B | 06 | 27 | 07 | 26 | 06 | 27 | 07 | 25 | 06 | 27 | 07 | 26 | | | | |
| 2659 D | 07 | 54 | 10 | E 058.63 | Α | 07 | 26 | 08 | 15 | | | | | 07 | 26 | 08 | 15 | 07 | 29 | 08 | 14 |
| 2659 N | 08 | 47 | 45 | W134.75 | A/B | 08 | 15 | 09 | 13 | 08 | 15 | 08 | 25 | 08 | 15 | 09 | 13 | | | | |
| 2660 D | 09 | 41 | 24 | E 031.81 | В | 09 | 13 | 10 | 02 | | | | | 09 | 13 | 10 | 02 | | | | |
| 2660 N | 10 | 34 | 59 | W161.58 | A/B | 10 | 02 | 11 | 01 | 10 | 11 | 10 | 59 | 10 | 02 | 11 | 01 | | | | |
| 2661 D | 11 | 28 | 38 | E 005.00 | Α | 11 | 01 | 11 | 49 | | | | | 11 | 01 | 11 | 49 | 11 | 03 | 11 | 45 |
| 2661 N | 12 | 22 | 13 | E 171.61 | В/А | 11 | 49 | 12 | 48 | 11 | 57 | 12 | 46 | 11 | 49 | 12 | 48 | | | | |
| 2662 D | 13 | 15 | 52 | W021.79 | В | 12 | 48 | 13 | 36 | | | | | 12 | 48 | 13 | 36 | 12 | 50 | 13 | 32 |
| 2662 N | 14 | 09 | 27 | E 144.79 | В | 13 | 36 | 14 | 35 | 13 | 42 | 14 | 33 | 13 | 36 | 13 | 42 | | | | |
| 2662 N | 14 | 09 | 27 | E 144.79 | Α | | | | | | | | | 14 | 22 | 14 | 35 | | | | |
| 2663 D | 15 | 03 | 07 | W048.60 | А | 14 | 35 | 15 | 24 | | | | | 14 | 35 | 15 | 24 | 14 | 37 | 15 | 22 |
| 2663 N | 15 | 56 | 41 | E 118.01 | В | 15 | 24 | 16 | 22 | 15 | 26 | 16 | 21 | 15 | 26 | 16 | 22 | | | | |
| 2664 D | 16 | 50 | 21 | W075.43 | В | 16 | 22 | 17 | 11 | | | | | 16 | 22 | 17 | 11 | 16 | 25 | 17 | 06 |
| 2664 N | 17 | 43 | 55 | E 091.19 | Α | 17 | 11 | 18 | 09 | 17 | 13 | 18 | 08 | 17 | 13 | 18 | 09 | | | | |
| 2665 D | 18 | 37 | 35 | W102.24 | . A | 18 | 09 | 18 | 58 | | | | | 18 | 09 | 18 | 54 | 18 | 12 | 18 | 53 |
| 2665 N | 19 | 31 | 09 | E 064.38 | В | 18 | 58 | 19 | 57 | | | | | 18 | 58 | 19 | 57 | | | | |
| 2666 D | 20 | 24 | 49 | W129.06 | В | 19 | 57 | 20 | 45 | | | | | 19 | 57 | 20 | 41 | 19 | 59 | 20 | 41 |
| 2666 N | 21 | 18 | 23 | E 037.55 | Α | 20 | 45 | 21 | 44 | 20 | 45 | 21 | 40 | 20 | 45 | 21 | 44 | | | | |
| 2667 D | 22 | 12 | 03 | W155.84 | Α | 21 | 44 | 22 | 26 | | | | | 21 | 44 | 22 | 25 | 21 | 47 | 22 | 25 |
| 2667 N | 23 | 05 | 38 | E 010.74 | Α | 22 | 32 | 23 | 31 | 22 | 33 | 23 | 30 | 22 | 32 | 23 | 31 | | | | - |
| 2668 D | 23 | 59 | 17 | E 177.34 | Α | 23 | 31 | 00 | 20 | - | | | | 23 | 31 | 00 | 20 | 23 | 34 | 00 | 15 |
| 2668 N | 00 | 52 | 52 | W016.05 | B/A | 00 | 20 | 01 | 18 | 00 | 20 | 01 | 17 | 00 | 20 | 01 | 18 | | | | |
| | | | | | | | | | | | | | | | | | | | | | |

TABLE 2-2 SENSOR ON-OFF TIMES DATE 24 OCTOBER 1970

| DATA | А | SCEND | /DESC | END | UD DOG | | IR | IS | | ТНІ | RHL | IMIDI | ГҮ | TEI | TH | IR ATUF | RE | | ID | CS | |
|--------|----|-------|-------|----------|--------|-----|------|-----|-----|-----|-----|-------|------|-----|-----|------------|-----|-----|-----|-----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | 0F | F | 01 | N | 0 F | F | 01 | V | OF | F | 01 | V | OF | F |
| | HR | MIN | SEC | DEG | | HRI | VIIN | HRI | MIN | HRI | MIN | HRI | VIIN | HRI | MIN | HR | MIN | HRI | MIN | HRI | ЛIN |
| 2669 D | 01 | 46 | 31 | E 150.53 | В | 01 | 18 | 02 | 07 | | | | | 01 | 18 | 02 | 07 | 01 | 21 | 02 | 03 |
| 2669 N | 02 | 40 | 06 | W042.86 | В | 02 | 07 | 02 | 35 | 02 | 07 | 02 | 34 | 02 | 07 | 02 | 35 | | | | |
| 2670 D | 03 | 33 | 45 | E 123.70 | | | | | | | | | | | | | | | | | |
| 2670 N | 04 | 27 | 20 | W069.69 | В | 04 | 19 | 04 | 53 | 04 | 20 | 04 | 52 | 04 | 20 | 04 | 53 | | | | |
| 2671 D | 05 | 20 | 59 | E 096.93 | В | 04 | 53 | 05 | 41 | | | | | 04 | 53 | 05 | 41 | 04 | 55 | 05 | 37 |
| 2671 N | 06 | 14 | 34 | W096.50 | В | 05 | 43 | 05 | 58 | 05 | 41 | 05 | 57 | 05 | 41 | 05 | 58 | | | | |
| 2671 N | 06 | 14 | 34 | W096.50 | В | 06 | 03 | 06 | 40 | 06 | 03 | 06 | 39 | 06 | 03 | 06 | 40 | | | | |
| 2672 D | 07 | 08 | 14 | E 070.10 | В | 06 | 40 | 07 | 29 | ¥ | | | | 06 | 40 | 07 | 29 | 06 | 43 | 07 | 24 |
| 2672 N | 08 | 01 | 48 | W123.29 | A/B | 07 | 29 | 08 | 27 | 07 | 29 | 08 | 26 | 07 | 29 | 08 | 27 | | | | |
| 2673 D | 08 | 55 | 28 | E 043.29 | Α | 08 | 27 | 09 | 16 | | | | | 08 | 27 | 09 | 16 | 08 | 30 | 09 | 11 |
| 2673 N | 09 | 49 | 02 | W150.10 | B/A | 09 | 16 | 10 | 15 | 09 | 16 | 10 | 12 | 09 | 16 | 10 | 15 | | | | |
| 2674 D | 10 | 42 | 42 | E 016.47 | В | 10 | 15 | 11 | 03 | | | | | 10 | 15 | 11 | 03 | 10 | 17 | 10 | 59 |
| 2674 N | 11 | 36 | 16 | W176.92 | A/B | 11 | 03 | 12 | 02 | 11 | 12 | 11 | 59 | 11 | 03 | 12 | 02 | | | | |
| 2675 D | 12 | 29 | 56 | W010.31 | Α | 12 | 02 | 12 | 50 | | | | | 12 | 02 | 12 | 50 | | | | |
| 2675 N | 13 | 23 | 30 | E 156.27 | B/A | 12 | 50 | 13 | 49 | 12 | 58 | 13 | 48 | 12 | 50 | 13 | 49 | | | | |
| 2676 D | 14 | 17 | 10 | W037.13 | В | 13 | 49 | 14 | 37 | | | | | 13 | 49 | 14 | 37 | 13 | 51 | 14 | 33 |
| 2676 N | 15 | 10 | 45 | E 129.49 | A/B | 14 | 37 | 15 | 36 | 14 | 43 | 15 | 34 | 14 | 37 | 15 | 36 | | | | |
| 2677 D | 16 | 04 | 24 | W063.95 | А | 15 | 36 | 16 | 24 | | | | | 15 | 36 | 16 | 24 | 15 | 38 | 16 | 20 |
| 2677 N | 16 | 57 | 59 | E 102.67 | В | 16 | 25 | 17 | 23 | 16 | 25 | 17 | 23 | 16 | 25 | 17 | 23 | | | | |
| 2678 D | 17 | 51 | 38 | W090.77 | В | 17 | 23 | 18 | 12 | | | | | 17 | 23 | 18 | 09 | | | | |
| 2678 N | 18 | 45 | 13 | E 075.86 | Α | 18 | 12 | 19 | 11 | 18 | 13 | 19 | 09 | 18 | 12 | 19 | 11 | | | | |
| 2679 D | 19 | 38 | 52 | W117.55 | Α | 19 | 11 | 19 | 59 | | | | | 19 | 11 | 19 | 55 | 19 | 13 | 19 | 55 |
| 2679 N | 20 | 32 | 27 | E 049.03 | В | 19 | 59 | 20 | 58 | 19 | 59 | 20 | 56 | 19 | 59 | 20 | 58 | | | | |
| 2680 D | 21 | 26 | 06 | W144.36 | В | 20 | 58 | 21 | 46 | | | | | 20 | 58 | 21 | 41 | 21 | 00 | 21 | 32 |
| 2680 N | 22 | 19 | 41 | E 022.25 | А | 21 | 46 | 22 | 45 | 21 | 46 | 22 | 44 | 21 | 46 | 22 | 45 | | | | |
| 2681 D | 23 | 13 | 21 | W171.18 | Α | 22 | 45 | 23 | 29 | | | | | 22 | 45 | 23 | 29 | 22 | 48 | 23 | 26 |
| 2681 N | 00 | 06 | 55 | W004.57 | A | 23 | 34 | 00 | 32 | 23 | 35 | 00 | 32 | 23 | 35 | 00 | 32 | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 25 OCTOBER 1970

| DATA | А | SCEND N(| /DESC | END | | | IR | IS | | THI | R HL | IMIDI | ГҮ | TEN | TH MPER | IR ATUR | RE | | IDI | CS | |
|--------|----|-------------|-------|----------|-------|-----|-----|----|-----|-----|------|-------|-----|-----|------------|------------|-----|------|-----|-----|-----|
| ORBIT | | TIME | | LONG | HDRSS | 01 | V | 0F | F | 10 | V | OF | F | 01 | J | OF | F | 01 | J | 0 F | F |
| | HR | MIN | SEC | DEG | | HRI | MIN | HR | MIN | HR | ΛIN | HRI | MIN | HRI | ΛΙΝ | HRI | MIN | HR N | 1IN | HRI | ΛIN |
| 2682 D | 01 | 00 | 35 | E 162.01 | А | 00 | 32 | 01 | 21 | | | | | 00 | 32 | 01 | 21 | 00 | 35 | 01 | 16 |
| 2682 N | 01 | 54 | 09 | W031.38 | Α | 01 | 21 | 01 | 37 | 01 | 21 | 01 | 37 | 01 | 21 | 01 | 37 | | | | |
| 2683 D | 02 | 47 | 49 | E 135.18 | | | | | | | | | | | | | | | | | |
| 2683 N | 03 | 41 | 23 | W058.21 | В | 03 | 07 | 04 | 07 | 03 | 08 | 04 | 06 | 03 | 08 | 04 | 07 | | | | |
| 2684 D | 04 | 35 | 03 | E 108.41 | В | 04 | 07 | 04 | 55 | | | | | 04 | 07 | 04 | 55 | 04 | 09 | 04 | 51 |
| 2684 N | 05 | 28 | 37 | W084.98 | В | 04 | 55 | 05 | 10 | 04 | 55 | 05 | 08 | 04 | 55 | 05 | 09 | | | | |
| 2684 N | 05 | 28 | 37 | W084.98 | В | 05 | 18 | 05 | 54 | 05 | 19 | 05 | 53 | 05 | 19 | 05 | 54 | | | | |
| 2685 D | 06 | 22 | 17 | E 081.58 | В | 05 | 54 | 06 | 43 | | | | | 05 | 54 | 06 | 43 | 05 | 57 | 06 | 38 |
| 2685 N | 07 | 15 | 51 | W111.81 | A/B | 06 | 43 | 07 | 41 | 06 | 43 | 07 | 40 | 06 | 43 | 07 | 41 | | | | |
| 2686 D | 08 | 09 | 31 | E 054.77 | Α | 07 | 41 | 08 | 30 | | | | | 07 | 41 | 08 | 30 | 07 | 44 | 08 | 25 |
| 2686 N | 09 | 03 | 06 | W138.62 | В/А | 08 | 30 | 09 | 28 | 08 | 30 | 09 | 28 | 08 | 30 | 09 | 28 | | | | |
| 2687 D | 09 | 56 | 45 | E 027.95 | В | 09 | 28 | 10 | 17 | | | | | 09 | 28 | 10 | 17 | 09 | 31 | 10 | 12 |
| 2687 N | 10 | 50 | 20 | W165.44 | В | 10 | 17 | 11 | 16 | 10 | 27 | 11 | 15 | 10 | 17 | 10 | 23 | | | | |
| 2687 N | 10 | 50 | 20 | W165.44 | Α | | | | | | | | | 10 | 27 | 11 | 16 | | | | |
| 2688 D | 11 | 43 | 59 | E 001.17 | Α | 11 | 16 | 12 | 04 | | | | | 11 | 16 | 12 | 04 | 11 | 18 | 12 | 03 |
| 2688 N | 12 | 37 | 34 | E 167.75 | B/A | 12 | 04 | 13 | 03 | 12 | 13 | 13 | 02 | 12 | 04 | 12 | 12 | | | | |
| 2688 N | 12 | 37 | 34 | E 167.75 | В | | - 4 | | | | | | | 12 | 36 | 13 | 03 | | | | |
| 2689 D | 13 | 31 | 13 | W025.65 | В | 13 | 03 | 13 | 51 | | | | | 13 | 03 | 13 | 51 | 13 | 05 | 13 | 50 |
| 2689 N | 14 | 24 | 48 | E 140.96 | A/B | 13 | 51 | 14 | 50 | 13 | 57 | 14 | 49 | 13 | 51 | 14 | 50 | | | | |
| 2690 D | 15 | 18 | 28 | W052.47 | A | 14 | 50 | 15 | 39 | | | | - | 14 | 50 | 15 | 39 | 14 | 53 | 15 | 38 |
| 2690 N | 16 | 12 | 02 | E 114.15 | В | 15 | 39 | 16 | 37 | 15 | 42 | 16 | 37 | 15 | 42 | 16 | 37 | | | | |
| 2691 D | 17 | 05 | 42 | W079.29 | В | 16 | 37 | 17 | 26 | | | | | 16 | 37 | 17 | 24 | 16 | 40 | 17 | 21 |
| 2691 N | 17 | 59 | 16 | E 087.32 | Α | 17 | 26 | 18 | 25 | 17 | 26 | 18 | 24 | 17 | 26 | 18 | 25 | | | | |
| 2692 D | 18 | 52 | 56 | W106.07 | А | 18 | 25 | 19 | 13 | | | | | 18 | 25 | 19 | 09 | 18 | 27 | 19 | 09 |
| 2692 N | 19 | 46 | 30 | E 060.51 | В | 19 | 13 | 20 | 12 | | | | | | | | 197 | | | | |
| 2693 D | 20 | 40 | 10 | W132.89 | В | 20 | 12 | 21 | 00 | | | | | | | | | 20 | 14 | 20 | 56 |
| 2693 N | 21 | 33 | 44 | E 033.72 | Α | 21 | 00 | 21 | 59 | 21 | 00 | 21 | 58 | 21 | 00 | 21 | 59 | | | | |
| 2694 D | 22 | 27 | 24 | W159.70 | Α | 21 | 59 | 22 | 42 | | | | | 21 | 59 | 22 | 41 | 22 | 02 | 22 | 40 |
| 2694 N | 23 | 20 | 58 | E 006.91 | Α | 22 | 47 | 23 | 46 | 22 | 48 | 23 | 46 | 22 | 48 | 23 | 46 | | | | |
| | | | | | | - 4 | | | | | | | | | | | 1 | | | | |
| | | | | | | | | | | | | | | | | | | | | | |

TABLE 2-2 SENSOR ON-OFF TIMES DATE 26 OCTOBER 1970

| DATA | А | SCEND | /DESC | END | lun noo | | IR | IS | | ТН | IR HU | JMIDI | TY | TE | TH MPER | IR ATUR | RE | | ID | CS | |
|--------|----|-------|-------|----------|----------|----|-----|------|-----|-----|-------|-------|-----|----|------------|------------|-----|-----|------|-----|------|
| ORBIT | | TIME | | LONG | HDRSS | 0 | N | OF | F | 0 | N | 10 | F | 0 | N | 01 | FF | 0 | N | 01 | FF |
| | HR | MIN | SEC | DEG | | HR | MIN | HR | MIN | HRI | VIIN | HR | MIN | HR | MIN | HRI | MIN | HRI | VIIN | HRI | VIIN |
| 2695 D | 00 | 14 | 38 | E 173.47 | А | 23 | 46 | . 00 | 05 | | | | | 23 | 46 | 00 | 35 | 23 | 49 | 00 | 34 |
| 2695 N | 01 | 08 | 12 | W019.92 | B/A | 00 | 46 | 01 | 34 | 00 | 35 | 01 | 33 | 00 | 35 | 01 | 34 | | | | |
| 2696 D | 02 | 01 | 52 | E 146.70 | В | 01 | 34 | 02 | 22 | | | | | 01 | 34 | 02 | 22 | 01 | 36 | 02 | 18 |
| 2696 N | 02 | 55 | 27 | W046.73 | В | 02 | 22 | 02 | 48 | 02 | 22 | 02 | 47 | 02 | 22 | 02 | 48 | | | | |
| 2697 D | 03 | 49 | 06 | E 119.87 | | | | | | | | | | | | | | | | | |
| 2697 N | 04 | 42 | 41 | W073.52 | В | 04 | 36 | 05 | 08 | 04 | 36 | 05 | 07 | 04 | 36 | 05 | 08 | | | | |
| 2698 D | 05 | 36 | 20 | E 093.06 | В | 05 | 08 | 05 | 56_ | , | | | | 05 | 08 | 05 | 56 | 05 | 11 | 05 | 52 |
| 2698 N | 06 | 29 | 55 | W100.33 | В | 05 | 56 | 06 | 14 | 05 | 57 | 06 | 13 | 05 | 56 | 06 | 13 | | | | |
| 2698 N | 06 | 29 | 55 | W100.33 | В | 06 | 20 | 06 | 55 | 06 | 20 | 06 | 55 | 06 | 20 | 06 | 55 | | | | |
| 2699 D | 07 | 23 | 35 | E 066.24 | В | 06 | 55 | 07 | 44 | | | | | 06 | 55 | 07 | 44 | 06 | 58 | 07 | 43 |
| 2699 N | 08 | 17 | 09 | W127.14 | A/B | 07 | 44 | 08 | 42 | 07 | 44 | 08 | 41 | 07 | 44 | 08 | 42 | | | | |
| 2700 D | 09 | 10 | 49 | E 039.46 | А | 08 | 42 | 09 | 31 | | | | | 08 | 42 | 09 | 31 | 08 | 45 | 09 | 29 |
| 2700 N | 10 | 04 | 23 | W153.96 | B/A | 09 | 31 | 10 | 30 | 09 | 31 | 10 | 29 | 09 | 31 | 10 | 30 | | | | |
| 2701 D | 10 | 58 | 03 | E 012.64 | В | 10 | 30 | 11 | 18 | | | | | 10 | 30 | 11 | 18 | 10 | 32 | 11 | 17 |
| 2701 N | 11 | 51 | 37 | E 179.26 | A/B | 11 | 18 | 12 | 17 | 11 | 27 | 12 | 16 | 11 | 18 | 12 | 17 | | | | |
| 2702 D | 12 | 45 | 17 | W014.17 | А | 12 | 17 | 13 | 05 | | | | | 12 | 17 | 13 | 05 | 12 | 19 | 13 | 01 |
| 2702 N | 13 | 38 | 51 | E 152.44 | B/A | 13 | 05 | 14 | 04 | 13 | 14 | 14 | 03 | 13 | 05 | 14 | 04 | | | | |
| 2703 D | 14 | 32 | 31 | W041.00 | В | 14 | 04 | 14 | 53 | | | | | 14 | 04 | 14 | 53 | 14 | 07 | 14 | 48 |
| 2703 N | 15 | 26 | 05 | E 125.63 | A/B | 14 | 53 | 15 | 51 | 15 | 00 | 15 | 51 | 14 | 53 | 15 | 51 | | | | |
| 2704 D | 16 | 19 | 45 | W067.81 | А | 15 | 51 | 16 | 40 | | | | | 15 | 51 | 16 | 39 | 15 | 54 | 16 | 39 |
| 2704 N | 17 | 13 | 19 | E 098.80 | B | 16 | 41 | 17 | 39 | 16 | 41 | 17 | 38 | 16 | 41 | 17 | 39 | | | | |
| 2705 D | 18 | 06 | 59 | W094.60 | В | 17 | 39 | 18 | 27 | | | | | 17 | 39 | 18 | 22 | 17 | 41 | 18 | 19 |
| 2705 N | 19 | 00 | 34 | E 072.02 | А | 18 | 27 | 19 | 26 | 18 | 27 | 19 | 25 | 18 | 27 | 19 | 26 | | | | |
| 2706 D | 19 | 54 | 13 | W121.41 | А | 19 | 26 | 20 | 14 | | | | | 19 | 26 | 20 | 08 | 19 | 28 | 20 | 06 |
| 2706 N | 20 | 47 | 48 | E 045.20 | В | 20 | 14 | 21 | 13 | 20 | 14 | 21 | 12 | 20 | 14 | 21 | 13 | | | | |
| 2707 D | 21 | 41 | 27 | W148.22 | В | 21 | 13 | 21 | 56 | | | | | 21 | 13 | 21 | 55 | 21 | 16 | 21 | 54 |
| 2707 N | 22 | 35 | 02 | E 018.39 | | | | | | | | | | | | | | | | | |
| 2708 D | 23 | 28 | 42 | W175.05 | | | | | | | | | | | | | | | | | |
| 2708 N | 00 | 22 | 16 | W008.44 | Α | 23 | 54 | 00 | 47 | 23 | 55 | 00 | 46 | 23 | 55 | 00 | 48 | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | 1 | | | | | | | | | | | | | | | | | | | |

TABLE 2-2 SENSOR ON-OFF TIMES DATE 27 OCTOBER 1970

| DATA | A | SCEND | /DESC | END | | | IR | IS | | THI | RHU | MIDIT | Υ | TEN | TH //PER | IR Atur | E | | IDI | CS | |
|--------|----|-------|-------|----------|-------|----|-----|----|-----|------|------|-------|-----|------|-------------|------------|-----|-------|-----|------|-----|
| ORBIT | | TIME | | LONG | HDRSS | 10 | V | OF | F | 01 | J | OF | F | 01 | | 0F | F | 01 | J | OF | F |
| | HR | MIN | SEC | DEG | | HR | AIN | HR | NIN | HR N | 11N | HR | AIN | HR N | IIN | HR N | ΛIN | •HR N | 1IN | HR A | ΛΙΝ |
| 2709 D | 01 | 15 | 56 | E 158.18 | Α | 00 | 47 | 01 | 36 | | | | | 00 | 48 | 01 | 36 | 00 | 50 | 01 | 32 |
| 2709 N | 02 | 09 | 30 | W035.21 | А | 01 | 36 | 01 | 57 | 01 | 36 | 01 | 57 | 01 | 36 | 01 | 57 | | | | |
| 2710 D | 03 | 03 | 10 | E 131.35 | | | | | | | | | | | | | | | | | |
| 2710 N | 03 | 56 | 44 | W062.04 | В | 03 | 23 | 04 | 22 | 03 | 23 | 04 | 21 | 03 | 23 | 04 | 22 | | | | |
| 2711 D | 04 | 50 | 24 | E 104.54 | В | 04 | 22 | 05 | 10 | | 9.00 | | | 04 | 22 | 05 | 10 | 04 | 25 | 05 | 06 |
| 2711 N | 05 | 43 | 58 | W088.85 | В | 05 | 10 | 05 | 25 | 05 | 11 | 05 | 19 | 05 | 10 | 05 | 24 | | | | |
| 2711 N | 05 | 43 | 58 | W088.85 | В | 05 | 33 | 06 | 09 | 05 | 33 | 06 | 09 | 05 | 33 | 06 | 09 | | | | |
| 2712 D | 06 | 37 | 38 | E 077.72 | В | 06 | 09 | 06 | 58 | | | | | 06 | 09 | 06 | 58 | 06 | 12 | 06 | 53 |
| 2712 N | 07 | 31 | 12 | W115.67 | A/B | 06 | 58 | 07 | 56 | 06 | 58 | 07 | 55 | 06 | 58 | 07 | 56 | | | | |
| 2713 D | 08 | 24 | 52 | E 050.94 | A | 07 | 56 | 08 | 45 | | | | | 07 | 56 | 08 | 45 | 07 | 59 | .08 | 41 |
| 2713 N | 09 | 18 | 26 | W142.48 | B/A | 08 | 45 | 09 | 44 | | | | | 08 | 45 | 09 | 44 | | | | |
| 2714 D | 10 | 12 | 06 | E 024.12 | В | 09 | 44 | 10 | 32 | | | | | 09 | 44 | 10 | 32 | | | | |
| 2714 N | 11 | 05 | 40 | W169.27 | A/B | 10 | 32 | 11 | 31 | | | | | 10 | 32 | 11 | 19 | | | | |
| 2715 D | 11 | 59 | 20 | W002.69 | Α | 11 | 31 | 12 | 19 | | | | | | - | | | | | | |
| 2715 N | 12 | 52 | 55 | E 163.92 | В | 12 | 19 | 13 | 18 | 12 | 27 | 13 | 18 | 12 | 27 | 13 | 18 | | | | |
| 2716 D | 13 | 46 | 34 | W029.52 | В | 13 | 18 | 14 | 07 | | | | | 13 | 18 | 14 | 07 | 13 | 21 | 14 | 02 |
| 2716 N | 14 | 40 | 09 | E 137.09 | Α | 14 | 07 | 15 | 05 | 14 | 13 | 15 | 05 | 14 | 13 | 15 | 05 | | | | |
| 2717 D | 15 | 33 | 50 | W056.29 | A | 15 | 05 | 15 | 54 | | | | | 15 | 05 | 15 | 54 | 15 | 08 | 15 | 49 |
| 2717 N | 16 | 27 | 23 | E 110.28 | В | 15 | 54 | 16 | 53 | 15 | 58 | 16 | 50 | 15 | 58 | 16 | 53 | | | | |
| 2718 D | 17 | 21 | 03 | W083.12 | В | 16 | 53 | 17 | 41 | | | | | 16 | 53 | 17 | 37 | 16 | 55 | 17 | 37 |
| 2718 N | 18 | 14 | 37 | E 083.49 | Α | 17 | 41 | 18 | 40 | 17 | 41 | 18 | 38 | 17 | 41 | 18 | 40 | | | | |
| 2719 D | 19 | 08 | 17 | W100.03 | Α | 18 | 40 | 19 | 28 | | | | | 18 | 40 | 19 | 22 | 18 | 42 | 19 | 20 |
| 2719 N | 20 | 01 | 51 | E 056.68 | В | 19 | 28 | 20 | 27 | 19 | 28 | 20 | 26 | 19 | 28 | 20 | 27 | | | | |
| 2720 D | 20 | 55 | 31 | W136.75 | В | 20 | 27 | 21 | 16 | | | | | 20 | 27 | 21 | 10 | 20 | 30 | 21 | 08 |
| 2720 N | 21 | 49 | 05 | E 029.85 | Α | 21 | 16 | 22 | 14 | 21 | 16 | 22 | 14 | 21 | 16 | 22 | 14 | | | | |
| 2721 D | 22 | 42 | 45 | W163.57 | Α | 22 | 14 | 22 | 57 | | | - | | 22 | 14 | 22 | 56 | 22 | 17 | 22 | 55 |
| 2721 N | 23 | 36 | 19 | E 003.04 | Α | 23 | 03 | 00 | 01 | 23 | 03 | 00 | 01 | 23 | 03 | 00 | 01 | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |

TABLE 2-2 SENSOR ON-OFF TIMES DATE 28 OCTOBER 1970

| DATA | А | SCEND | /DESC | END | | | IR | IS | | ТНІ | RHU | IMIDIT | Y | TE | TH | IR ATUR | E | | ID | CS | |
|--------|----|-------|-------|----------|-------|-----|-----|----|-----|------|-----|--------|--------|----|-----|------------|-----|------|-----|------|-----|
| ORBIT | | TIME | - | LONG | HDRSS | 0 | N | OF | F | 10 | V | 0 F | F | 01 | V | 0F | F | 10 | V | 0 F | F |
| | HR | MIN | SEC | DEG | | HRI | MIN | HR | ΛIN | HR N | 1IN | HR | ΛΙΝ | HR | MIN | HRN | 1IN | HR N | ΛIN | HR N | ΛΙΝ |
| 2722 D | 00 | 29 | 59 | E 169.65 | Α | 00 | 01 | 00 | 50 | | | | | 00 | 01 | 00 | 50 | 00 | 04 | 00 | 49 |
| 2722 N | 01 | 23 | 33 | W023.73 | B/A | 00 | 50 | 01 | 49 | 00 | 50 | 01 | 48 | 00 | 50 | 01 | 49 | | | | |
| 2723 D | 02 | 17 | 13 | E 142.83 | В | 01 | 49 | 02 | 37 | | | | | 01 | 49 | 02 | 37 | 01 | 51 | 02 | 36 |
| 2723 N | 03 | 10 | 47 | W050.56 | В | 02 | 37 | 03 | 04 | 02 | 37 | 03 | 02 | 02 | 37 | 03 | 03 | | | | |
| 2724 D | 04 | 04 | 27 | E 116.01 | | | | | | | | | | | | | | | | | |
| 2724 N | 04 | 58 | 01 | W077.37 | В | 04 | 43 | 05 | 23 | 04 | 49 | 05 | 21 | 04 | 49 | 05 | 23 | | | | |
| 2725 D | 05 | 51 | 41 | E 089.20 | В | 05 | 23 | 06 | 12 | | | | | 05 | 23 | 06 | 12 | 05 | 26 | 06 | 11 |
| 2725 N | 06 | 45 | 16 | W104.19 | A/B | 06 | 12 | 07 | 10 | 06 | 12 | 07 | 10 | 06 | 12 | 07 | 10 | | | | |
| 2726 D | 07 | 38 | 56 | E 062.41 | Α | 07 | 10 | 07 | 59 | | | | | 07 | 10 | 07 | 59 | 07 | 13 | 07 | 55 |
| 2726 N | 08 | 32 | 30 | W130.97 | B/A | 07 | 59 | 08 | 58 | 07 | 59 | 08 | 57 | 07 | 59 | 08 | 58 | | | | |
| 2727 D | 09 | 26 | 10 | E 035.60 | В | 08 | 58 | 09 | 46 | | | | | 08 | 58 | 09 | 46 | 09 | 00 | 09 | 42 |
| 2727 N | 10 | 19 | 44 | W157.79 | A/B | 09 | 46 | 10 | 45 | 09 | 56 | 10 | 44 | 09 | 46 | 10 | 45 | | | | |
| 2728 D | 11 | 13 | 24 | E 008.77 | А | 10 | 45 | 11 | 33 | | | | | 10 | 45 | 11 | 33 | 10 | 47 | 11 | 27 |
| 2728 N | 12 | 06 | 58 | E 175.39 | B/A | 11 | 33 | 12 | 32 | 11 | 42 | 12 | 32 | 11 | 33 | 12 | 32 | | | | |
| 2729 D | 13 | 00 | 38 | W018.04 | В | 12 | 32 | 13 | 21 | | | | | 12 | 32 | 13 | 21 | 12 | 35 | 13 | 16 |
| 2729 N | 13 | 54 | 12 | E 148.57 | A/B | 13 | 21 | 13 | 26 | 13 | 30 | 14 | 17 | 13 | 21 | 14 | 19 | | | | |
| 2730 D | 14 | 47 | 52 | W044.83 | Α | | | | | | | | | 14 | 19 | 15 | 08 | 14 | 22 | 15 | 03 |
| 2730 N | 15 | 41 | 26 | E 121.79 | В | 15 | 14 | 16 | 07 | 15 | 14 | 16 | 06 | 15 | 14 | 16 | 07 | | | | |
| 2731 D | 16 | 35 | 06 | W071.64 | В | 16 | 07 | 16 | 55 | | | | | 16 | 07 | 16 | 55 | 16 | 09 | 16 | 51 |
| 2731 N | 17 | 28 | 40 | E 094.97 | Α | 16 | 55 | 17 | 54 | 16 | 57 | 17 | 53 | 16 | 57 | 17 | 54 | | | | |
| 2732 D | 18 | 22 | 20 | W098.45 | Α | 17 | 54 | 18 | 42 | | | | | 17 | 54 | 18 | 39 | 17 | 56 | 18 | 34 |
| 2732 N | 19 | 15 | 54 | E 068.16 | В | 18 | 42 | 19 | 41 | 18 | 42 | 19 | 40 | 18 | 42 | 19 | 41 | | | | |
| 2733 D | 20 | 09 | 34 | W125.27 | В | 19 | 41 | 20 | 29 | | | | | 19 | 41 | 20 | 24 | 19 | 43 | 20 | 25 |
| 2733 N | 21 | 03 | 08 | E 041.33 | Α | 20 | 29 | 21 | 28 | 20 | 30 | 21 | 28 | 20 | 29 | 21 | 28 | | | | |
| 2734 D | 21 | 56 | 48 | W152.05 | Α | 21 | 28 | 22 | 11 | | | | | 21 | 28 | 22 | 11 | 21 | 31 | 22 | 09 |
| 2734 N | 22 | 50 | 22 | E 014.56 | Α | | | | | 22 | 17 | 23 | 15 | 22 | 17 | 23 | 15 | | | | |
| 2735 D | 23 | 44 | 03 | W178.87 | Α | 23 | 17 | 00 | 04 | | | | | 23 | 15 | 00 | 04 | 23 | 18 | 00 | 03 |
| 2735 N | 00 | 37 | 37 | W012.27 | Α | 00 | 04 | 00 | 19 | 00 | 04 | 00 | 19 | 00 | 04 | 00 | 19 | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
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TABLE 2-2 SENSOR ON-OFF TIMES DATE 29 OCTOBER 1970

| DATA | ASCEND/DESCEND NODE | | | | | IRIS | | | | ТНІ | RHL | IMIDI | ГҮ | TEI | TH VIPER | IR ATUR | E | | IDI | cs | |
|--------|------------------------|----|------|----------|--------------|------|---------------|----|--------------|-------|---------------|-------|--------------|-----|---------------|------------|--------------|----|--------|----|----|
| ORBIT | TIME | | LONG | HDRSS | ON HR MIN | | OFF HR MIN | | ON HR MIN | | OFF HR MIN | | ON HR MIN | | OFF HR MIN | | ON HR MIN | | OFF | | |
| | HR MIN SEC | | DEG | | | | | | | | | | | | | | | | HR MIN | | |
| 2736 D | 01 | 31 | 17 | E 154.31 | | | | | | | | | | | | | | | | | |
| 2736 N | 02 | 24 | 51 | W039.08 | В | 01 | 56 | 02 | 50 | 01 | 56 | 02 | 49 | 01 | 56 | 02 | 50 | | | | |
| 2737 D | 03 | 18 | 31 | E 127.49 | В | 02 | 50 | 03 | 38 | | | | | 02 | 50 | 03 | 38 | 02 | 52 | 03 | 34 |
| 2737 N | 04 | 12 | 05 | W065.90 | В | 03 | 38 | 03 | 58 | 03 | 39 | 03 | 57 | 03 | 38 | 03 | 57 | | | | |
| 2737 N | 04 | 12 | 05 | W065.90 | В | 04 | 06 | 04 | 37 | 04 | 06 | 04 | 36 | 04 | 06 | 04 | 37 | | | | |
| 2738 D | 05 | 05 | 45 | E 100.71 | В | 04 | 37 | 05 | 26 | | | | | 04 | 37 | 05 | 26 | 04 | 40 | 05 | 25 |
| 2738 N | 05 | 59 | 19 | W092.71 | В | 05 | 26 | 05 | 42 | 05 | 26 | 05 | 42 | 05 | 26 | 05 | 42 | | | | |
| 2738 N | 05 | 59 | 19 | W092.71 | В | 05 | 48 | 06 | 24 | 05 | 48 | 06 | 24 | 05 | 48 | 06 | 24 | | | | |
| 2739 D | 06 | 52 | 59 | E 073.89 | В | 06 | 24 | 07 | 13 | | ы | | | 06 | 24 | 07 | 13 | 06 | 28 | 07 | 12 |
| 2739 N | 07 | 46 | 33 | W119.50 | A/B | 07 | 13 | 08 | 12 | 07 | 13 | 08 | 11 | 07 | 13 | 07 | 30 | | | | |
| 2740 D | 08 | 40 | 13 | E 047.08 | А | 08 | 12 | 09 | 00 | | | | | | | | | 08 | 14 | 08 | 56 |
| 2740 N | 09 | 33 | 47 | W146.31 | Α | 09 | 00 | 09 | 59 | 09 | 14 | 09 | 58 | 09 | 14 | 09 | 59 | | | | |
| 2741 D | 10 | 27 | 27 | E 020.25 | Α | 09 | 59 | 10 | 47 | | | | | 09 | 59 | 10 | 47 | 10 | 01 | 10 | 46 |
| 2741 N | 11 | 21 | 01 | W173.14 | Α | 10 | 47 | 10 | 58 | 10 | 48 | 10 | 56 | 10 | 47 | 10 | 56 | | | | |
| 2741 N | 11 | 21 | 01 | W173.14 | А | 11 | 03 | 11 | 46 | 11 | 03 | 11 | 40 | 11 | 03 | 11 | 46 | | | | |
| 2742 D | 12 | 14 | 41 | W006.56 | Α | 11 | 46 | 12 | 35 | | | | | 11 | 46 | 12 | 35 | | | - | |
| 2742 N | 13 | 08 | 15 | E 160.05 | B/A | 12 | 35 | 13 | 33 | 12 | 43 | 13 | 32 | 12 | 35 | 13 | 33 | | | | |
| 2743 D | 14 | 01 | 55 | W033.35 | В | 13 | 33 | 14 | 22 | | | | | 13 | 33 | 14 | 22 | 13 | 36 | 14 | 17 |
| 2743 N | 14 | 55 | 29 | E 133.26 | A | 14 | 22 | 15 | 20 | 14 | 28 | 15 | 20 | 14 | 28 | 15 | 20 | | | | |
| 2744 D | 15 | 49 | 10 | W060.16 | Â | 15 | 20 | 16 | 09 | | | | | 15 | 20 | 16 | 09 | 15 | 23 | 16 | 05 |
| 2744 N | 16 | 42 | 43 | E 106.45 | В | 16 | 09 | 17 | 08 | 16 | 11 | 17 | 07 | 16 | 11 | 17 | 08 | | | | |
| 2745 D | 17 | 36 | 24 | W086.98 | В | 17 | 08 | 17 | 56 | | | | | 17 | 08 | 17 | 54 | 17 | 10 | 17 | 52 |
| 2745 N | 18 | 29 | 58 | E 079.64 | Α | 17 | 56 | 18 | 55 | 17 | 57 | 18 | 55 | 17 | 56 | 18 | 55 | | | | |
| 2746 D | 19 | 23 | 38 | W113.79 | , A | 18 | 55 | 19 | 43 | | | | | 18 | 55 | 19 | 38 | 18 | 57 | 19 | 35 |
| 2746 N | 20 | 17 | 12 | E 052.81 | В | 19 | 43 | 20 | 42 | 19 | 44 | 20 | 42 | 19 | 43 | 20 | 42 | | | | |
| 2747 D | 21 | 10 | 52 | W140.58 | В | 20 | 42 | 21 | 31 | | | | | 20 | 42 | 21 | 25 | 20 | 45 | 21 | 23 |
| 2747 N | 22 | 04 | 26 | E 026.04 | Α . | 21 | 31 | 22 | 29 | 21 | 31 | 22 | 29 | 21 | 31 | 22 | 29 | | | | |
| 2748 D | 22 | 58 | 06 | W167.39 | Α | 22 | 29 | 23 | 14 | 14. 7 | | | | 22 | 29 | 23 | 14 | 22 | 32 | 23 | 07 |
| 2748 N | 23 | 51 | 40 | W000.79 | Α | 23 | 20 | 00 | 17 | 23 | 20 | 00 | 16 | 23 | 20 | 00 | 17 | | | | |
| 77 | | | | | | | | | | | | , | | | | | | | | | - |
| 12 | | | | | | | | | | | | | | | | | | | | | |

TABLE 2-2 SENSOR ON-OFF TIMES DATE 30 OCTOBER 1970

| DATA | ASCEND/DESCEND NODE | | | | IRIS | | | | | ТНІ | RHU | JMIDI. | ГΥ | TEI | TH WPER | IR BATUF | RE. | IDCS | | | |
|--------|------------------------|----|------|----------|----------------------|----|--------|------|--------|-----|--------|--------|--------|------|------------|-------------|--------|------|--------|----|----|
| ORBIT | TIME | | LONG | HDRSS | ON OFF HR MIN HR MIN | | ON | | OFF | | ON | | OFF | | ON | | OFF | | | | |
| | HR MIN SEC | | DEG | | | | HR MIN | | HR MIN | | HR MIN | | HR MIN | | HR MIN | | HR MIN | | HR MIN | | |
| 2749 D | 00 | 45 | 20 | E 165.78 | Α | 00 | 17 | - 01 | 05 | | | | | 00 | 17 | 01 | 05 | 00 | 19 | 01 | 01 |
| 2749 N | 01 | 38 | 54 | W027.60 | B/A | 01 | 05 | 02 | 04 | 01 | 05 | 02 | 03 | 01 | 05 | 02 | 04 | | | | |
| 2750 D | 02 | 32 | 34 | E 138.97 | В | 02 | 04 | 02 | 52 | | | | | 02 | 04 | 02 | 52 | 02 | 06 | 02 | 48 |
| 2750 N | 03 | 26 | 08 | W054.42 | В | 02 | 52 | 03 | 15 | 02 | 53 | 03 | 14 | 02 | 52 | 03 | 15 | | | | |
| 2751 D | 04 | 19 | 48 | E 112.18 | | | | | | | | | | | | | | | | | |
| 2751 N | 05 | 13 | 22 | W081.20 | В | 05 | 03 | 05 | 38 | 05 | 05 | 05 | 38 | 05 | 05 | 05 | 38 | | | | |
| 2752 D | 06 | 07 | 02 | E 085.37 | В | 05 | 38 | 06 | 27 | | | | | 05 | 38 | 06 | 27 | 05 | 41 | 06 | 22 |
| 2752 N | 07 | 00 | 36 | W108.02 | A/B | 06 | 27 | 07 | 26 | 06 | 27 | 07 | 25 | 06 | 27 | 07 | 26 | | | | |
| 2753 D | 07 | 54 | 17 | E 058.55 | Α | 07 | 26 | 08 | 14 | | | | | 07 | 26 | 08 | 14 | 07 | 28 | 08 | 13 |
| 2753 N | 08 | 47 | 50 | W134.84 | B/A | 08 | 14 | 09 | 13 | 08 | 14 | 09 | 12 | 08 | 14 | 09 | 13 | | | | |
| 2754 D | 09 | 41 | 31 | E 031.73 | В | 09 | 13 | 10 | 01 | | | | | 09 | 13 | 10 | 01 | 09 | 15 | 10 | 00 |
| 2754 N | 10 | 35 | 05 | W161.66 | A/B | 10 | 01 | 11 | 00 | 10 | 02 | 11 | 00 | 10 | 01 | 11 | 00 | | | | |
| 2755 D | 11 | 28 | 45 | E 004.94 | Α | 11 | 00 | 11 | 48 | | | | | 11 | 00 | 11 | 48 | 11 | 03 | 11 | 48 |
| 2755 N | 12 | 22 | 19 | E 171.56 | B/A | 11 | 48 | 12 | 47 | 11 | 57 | 12 | 47 | 11 | 48 | 12 | 47 | | | | |
| 2756 D | 13 | 15 | 59 | W021.87 | В | 12 | 47 | 13 | 36 | | | | | 12 | 47 | 13 | 36 | 12 | 50 | 13 | 35 |
| 2756 N | 14 | 09 | 33 | E 144.74 | A/B | 13 | 36 | 14 | 34 | 13 | 42 | 14 | 34 | 13 | 36 | 13 | 41 | | | | |
| 2757 D | 15 | 03 | 13 | W048.68 | A | 14 | 34 | 15 | 24 | | | | | | | | | 14 | 37 | 15 | 22 |
| 2757 N | 15 | 56 | 47 | E 117.93 | В | | | | | 15 | 26 | 16 | 21 | 15 | 26 | 16 | 22 | | | | |
| 2758 D | 16 | 50 | 27 | W075.50 | В | 16 | 28 | 17 | 10 | | | | | 16 | 22 | 17 | 09 | 16 | 24 | 17 | 06 |
| 2758 N | 17 | 44 | 01 | E 091.10 | Α | 17 | 10 | 18 | 09 | 17 | 11 | 18 | 08 | 17 | 10 | 18 | 09 | | | | |
| 2759 D | 18 | 37 | 41 | W102.28 | • A | 18 | 09 | 18 | 57 | | | | | 18 | 09 | 18 | 53 | 18 | 12 | 18 | 53 |
| 2759 N | 19 | 31 | 15 | E 064.29 | В | 18 | 57 | 19 | 56 | 18 | 58 | 19 | 56 | 18 | 57 | 19 | 56 | | | | |
| 2760 D | 20 | 24 | 55 | W129.10 | В | 19 | 56 | 20 | 45 | | | | | . 19 | 56 | 20 | 41 | 20 | 02 | 20 | 40 |
| 2760 N | 21 | 18 | 29 | E 037.50 | A | 20 | 45 | 21 | 43 | 20 | 45 | 21 | 42 | 20 | 45 | 21 | 43 | | | | |
| 2761 D | 22 | 12 | 09 | W155.91 | Α | 21 | 43 | 22 | 25 | | | | | 21 | 43 | 22 | 25 | 21 | 46 | 22 | 21 |
| 2761 N | 23 | 05 | 43 | E 010.69 | Α | 22 | 31 | 23 | 31 | 22 | 32 | 23 | 30 | 22 | 32 | 23 | 31 | | | | |
| 2762 D | 23 | 59 | 24 | E 177.26 | Α | 23 | 31 | 00 | 19 | | | | | 23 | 31 | 00 | 19 | 23 | 33 | 00 | 15 |
| 2762 N | 00 | 52 | 57 | W016.13 | Α | 00 | 19 | 00 | 34 | 00 | 19 | 00 | 33 | 00 | 19 | 00 | 34 | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |

TABLE 2-2 SENSOR ON-OFF TIMES DATE 31 OCTOBER 1970

| DATA ORBIT | ASCEND/DESCEND NODE | | | | up pag | IRIS | | | | ТНІ | RHU | IMIDI | ГҮ | TEI | TH MPER | IR ATUR | E | | ID | cs | |
|---------------|------------------------|----------|----------|----------|----------|------|------|--------|----|----------|----------|--------|----------|-----|------------|------------|----|--------|-----|--------|----|
| | TIME | | LONG | HDRSS | ON | | OFF | | ON | | OFF | | ON | | OFF | | ON | | OFF | | |
| | HR MIN SE | | SEC | DEG | | HR | VIIN | HR MIN | | HR MIN | | HR MIN | | HR | ΛIN | HR MIN | | HR MIN | | HR MIN | |
| 2763 D | 01 | 46 | 38 | E 150.44 | | | | | | | | | | | | | | | | | |
| 2763 N | 02 | 40 | 11 | W042.96 | В | 02 | 09 | 03 | 05 | 02 | 10 | 03 | 05 | 02 | 10 | 03 | 05 | | | | |
| 2764 D | 03 | 33 | 52 | E 123.63 | В | 03 | 05 | 03 | 54 | | | | | 03 | 05 | 03 | 54 | 03 | 08 | 03 | 53 |
| 2764 N | 04 | 27 | 26 | W069.76 | В | 03 | 54 | 04 | 12 | 03 | 55 | 04 | 11 | 03 | 54 | 04 | 11 | | | | |
| 2764 N | 04 | 27 | 26 | W069.76 | В | 04 | 20 | 04 | 52 | 04 | 21 | 04 | 51 | 04 | 21 | 04 | 52 | | | | |
| 2765 D | 05 | 21 | 06 | E 096.82 | В | 04 | 52 | 05 | 41 | | | | | 04 | 52 | 05 | 41 | 04 | 55 | 05 | 36 |
| 2765 N | 06 | 14 | 40 | W096.57 | В | 05 | 41 | 05 | 58 | 05 | 41 | 05 | 57 | 05 | 41 | 05 | 58 | | | | |
| 2765 N | 06 | 14 | 40 | W096.57 | В | 06 | 03 | 06 | 39 | 06 | 03 | 06 | 38 | 06 | 04 | 06 | 39 | | | | |
| 2766 D | 07 | 08 | 20 | E 070.01 | В | 06 | 39 | 07 | 28 | | | | | 06 | 39 | 07 | 28 | 06 | 42 | 07 | 27 |
| 2766 N | 08 | 01 | 54 | W123.38 | A/B | 07 | 28 | 08 | 27 | 07 | 40 | 08 | 27 | 07 | 28 | 08 | 27 | | | | |
| 2767 D | 08 | 55 | 34 | E 043.20 | Α | 08 | 27 | 09 | 17 | | | | | 08 | 27 | 09 | 15 | 08 | 29 | 09 | 14 |
| 2767 N | 09 | 49 | 08 | W150.19 | B/A | 09 | 26 | 10 | 14 | 09 | 27 | 10 | 12 | 09 | 15 | 10 | 14 | | | | |
| 2768 D | 10 | 42 | 48 | E 016.39 | В | 10 | 14 | 11 | 02 | | | | | 10 | 14 | 11 | 02 | 10 | 16 | 10 | 58 |
| 2768 N | 11 | 36 | 22 | W177.00 | A/B | 11 | 02 | 12 | 01 | 11 11 | 02 12 | 11 | 08 59 | 11 | 02 | 12 | 01 | | | | |
| 2769 D | 12 | 30 | 02 | W010.42 | Α | 12 | 01 | 12 | 50 | | | | | 12 | 01 | 12 | 50 | 12 | 04 | 12 | 45 |
| 2769 N | 13 | 23 | 36 | E 156.19 | B/A | 12 | 50 | 13 | 48 | 12 | 58 | 13 | 45 | 12 | 50 | 13 | 48 | | | | |
| 2770 D | 14 | 17 | 18 | W037.23 | В | 13 | 48 | 14 | 37 | | | | | 13 | 48 | 14 | 37 | 13 | 51 | 14 | 32 |
| 2770 N | 15 | 10 | 50 | E 129.38 | A | 14 | 37 | 15 | 36 | 14 | 42 | 15 | 35 | 14 | 42 | 15 | 36 | | - | | |
| 2771 D | 16 | 04 | 31 | W064.04 | Α | 15 | 36 | 16 | 24 | | | | | 15 | 36 | 16 | 24 | 15 | 38 | 16 | 20 |
| 2771 N | 16 | 53 | 04 | E 102.57 | В | 16 | 24 | 17 | 23 | 16 | 27 | 17 | 23 | 16 | 27 | 17 | 23 | | | | |
| 2772 D | 17 | 51 | 45 | W090.85 | В | 17 | 23 | 18 | 11 | | | | | 17 | 23 | 18 | 09 | 17 | 25 | 18 | 03 |
| 2772 N | 18 | 45 | 18 | E 075.76 | Α | 18 | 11 | 19 | 10 | 18 | 13 | 19 | 10 | 18 | 11 | 19 | 10 | | | | |
| 2773 D | 19 | 38 | 59 | W117.66 | - A | 19 | 10 | 19 | 59 | | | | | 19 | 10 | 19 | 53 | 19 | 13 | 19 | 47 |
| 2773 N | 20 | 32 | 33 | E 048.95 | В | 19 | 59 | 20 | 57 | 19 | 59 | 20 | 56 | 19 | 59 | 20 | 57 | | | | |
| 2774 D | 21 | 26 | 13 | W144.47 | В | 20 | 57 | 21 | 46 | | | | | 20 | 57 | 21 | 43 | 21 | 00 | 21 | 43 |
| 2774 N | 22 | 19 | 46 | E 022.14 | Α | 21 | 46 | 22 | 45 | 21 | 46 | 22 | 44 | 21 | 46 | 22 | 45 | | | | |
| 2775 D | 23 | 13 | 27 | W171.27 | Α | 22 | 45 | 23 | 28 | Di L | | | | 22 | 45 | 23 | 28 | 22 | 47 | 23 | 29 |
| 2775 N | 00 | 07 | 01 | W004.67 | | | | | | | | | | | | | | | | | |
| | | | | | 2.0 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | - | | | | |
| | | <u> </u> | <u> </u> | | | | | | | | | | - | | | | | | | | |

SECTION 3

IMAGE DISSECTOR CAMERA SYSTEM MONTAGES

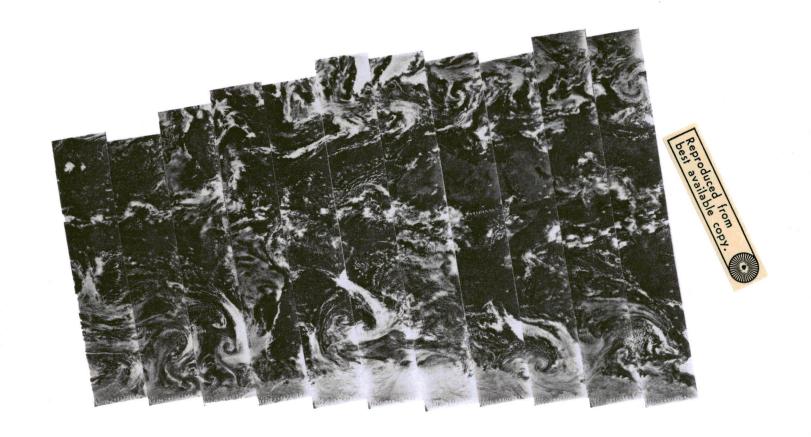
This section depicts the data from the Image Dissector Camera System (IDCS) experiment carried on the Nimbus 4 Meteorological Satellite. The pictorial montage presentation facilitates perusal and search of the IDCS data for preliminary research and also enables the user to determine his specific IDCS film data requirements.

The montages shown represent the daytime television pictures obtained for each day (UT) and are arranged in chronological order in a world montage format. Complete daylight orbital coverage is obtained with 15 consecutive pictures. Successive orbits, displaced about 27 degrees westward in longitude at the equator, provide adjacent pictorial data, with increasing overlap from the equator toward the poles. Data orbit number is indicated below each swath.

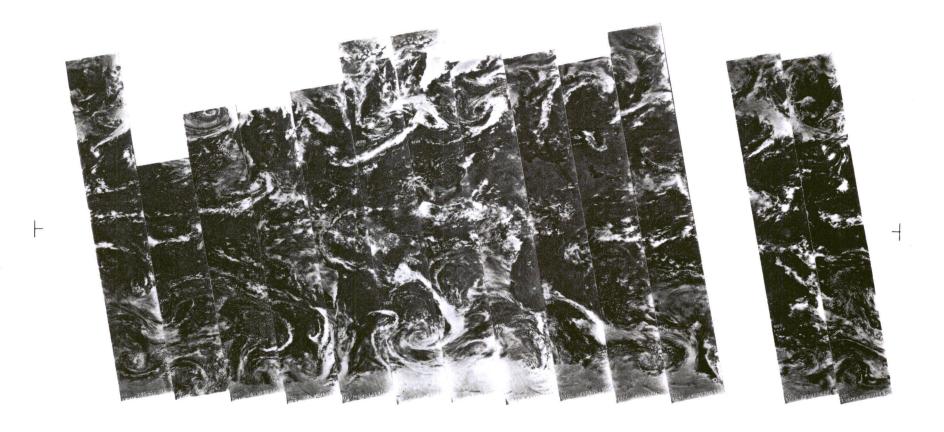
A vellum IDCS grid overlay (IDCS Location Guide), attached to the back of this catalog, is to be used for approximate location and orientation of the montage data. Proper alignment of the grid is accomplished by matching the grid indices on the equator with two "T" marks on each montage.

The data area, 5" x 9" in size, has been reduced from the original montage size of 22" x 32". This reduction, required for convenient catalog dimensions, still permits recognition of major cloud and land features.

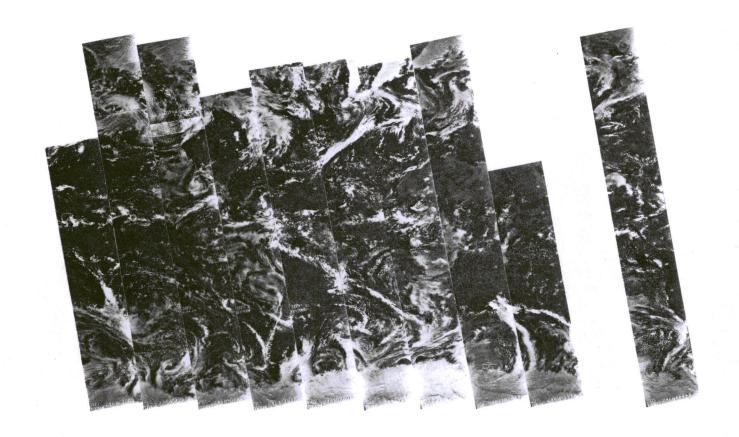
A description of the IDCS experiment and instructions for ordering IDCS data may be found in the Nimbus IV User's Guide, Section 2.



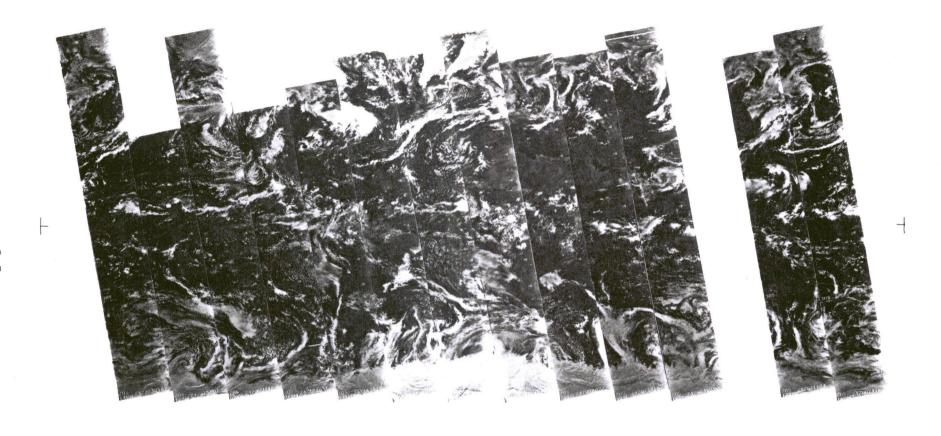
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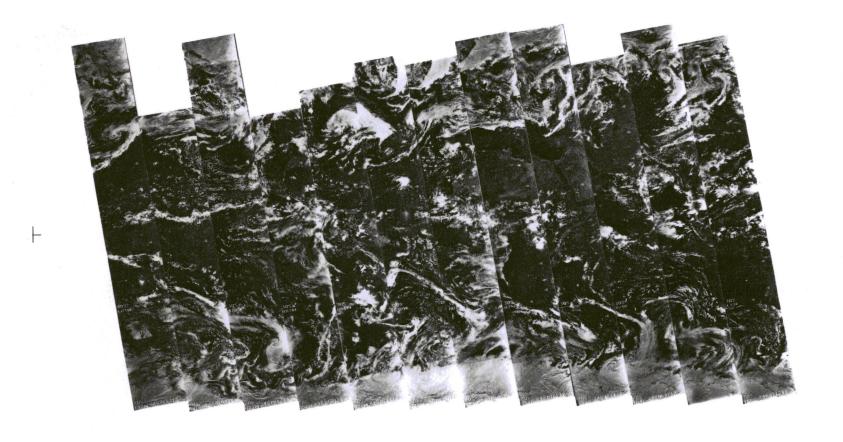
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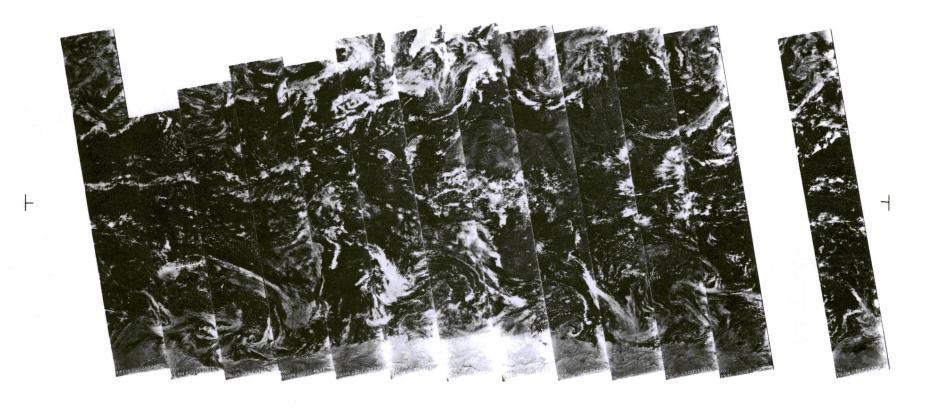
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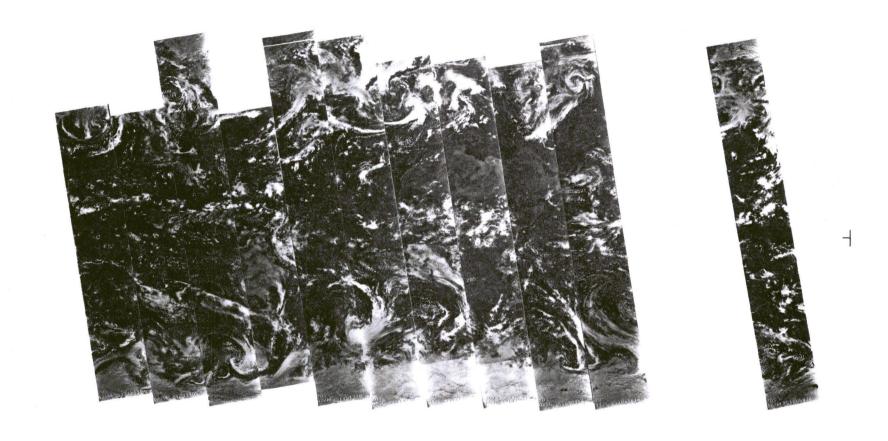
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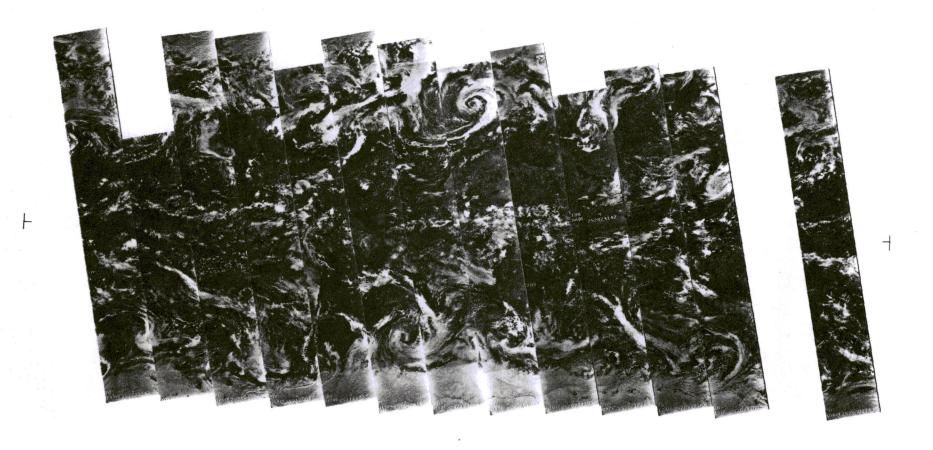
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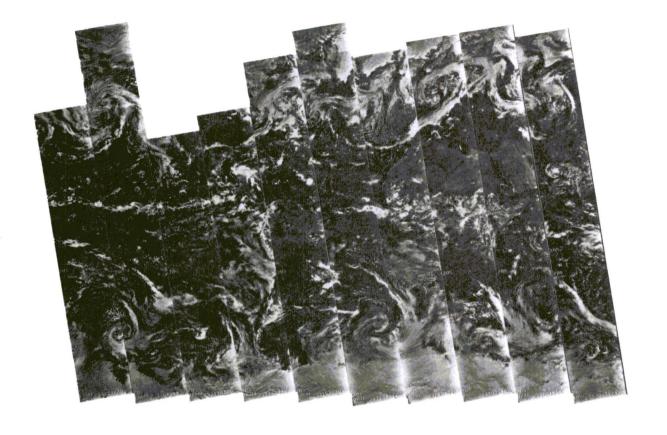
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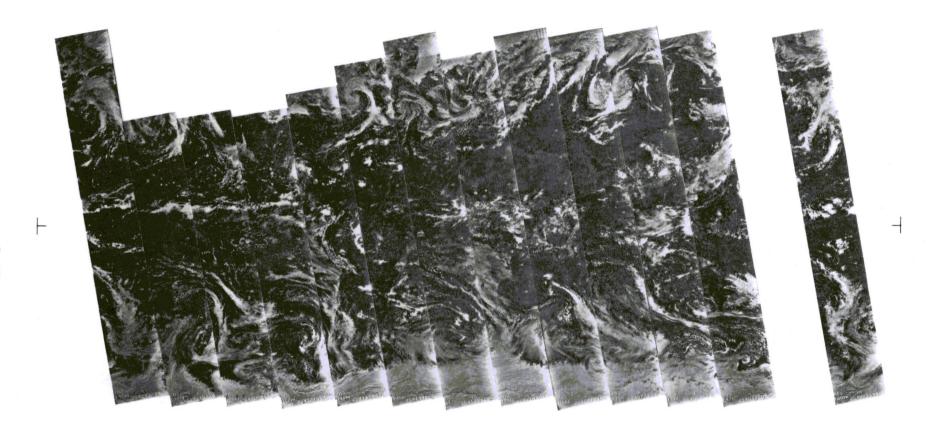


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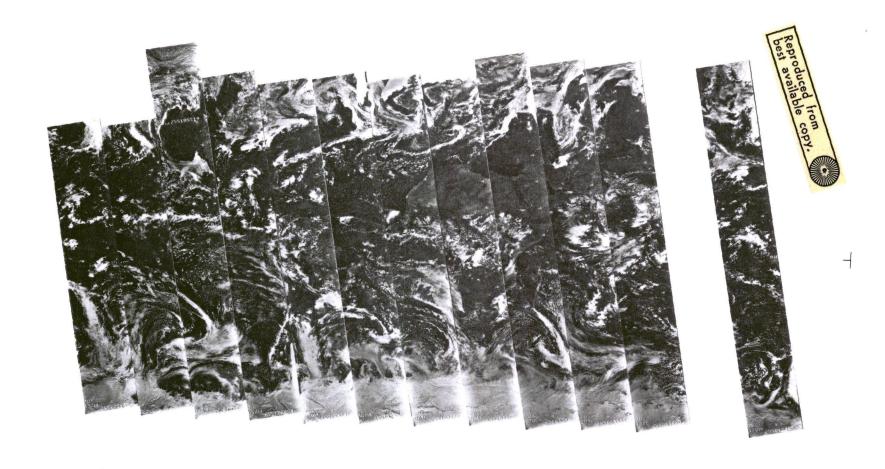




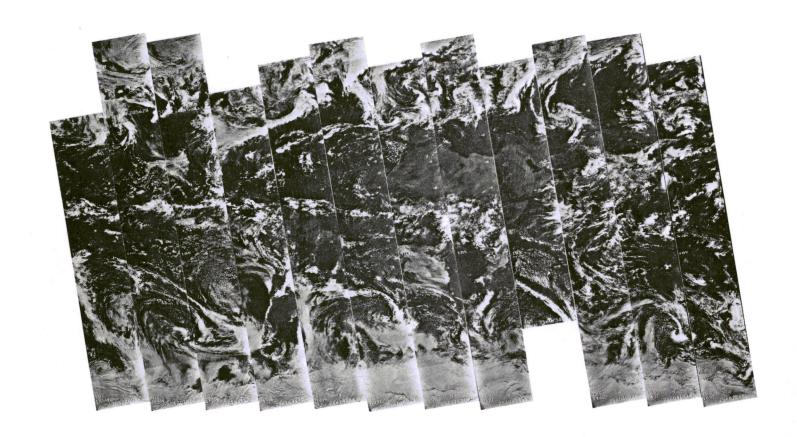
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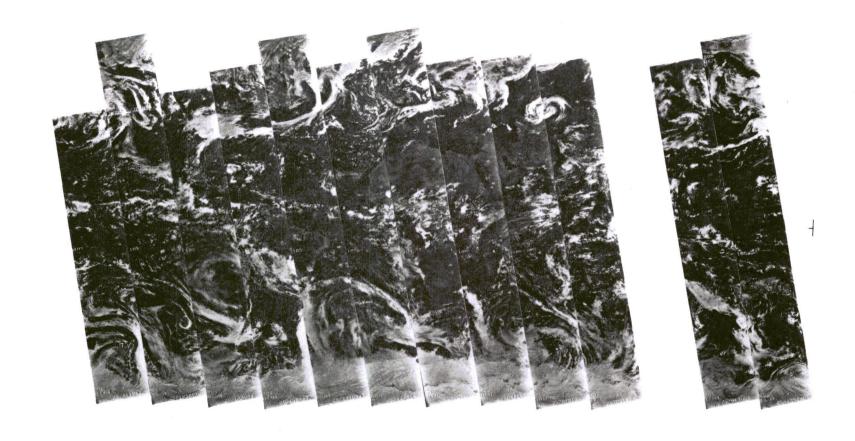
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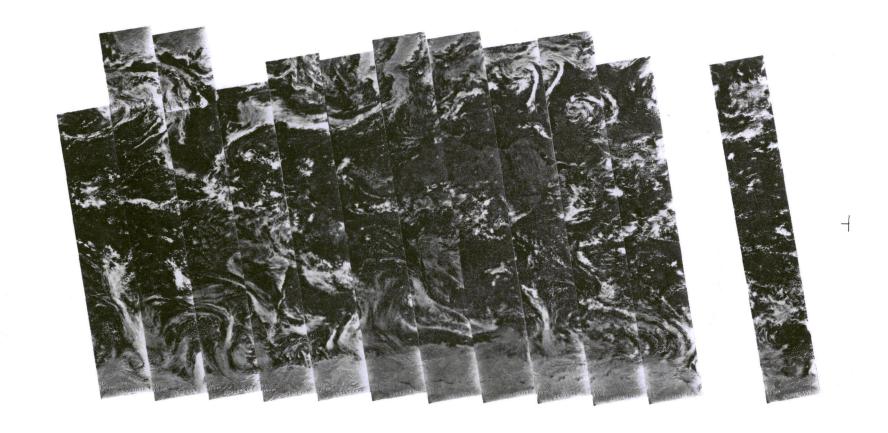
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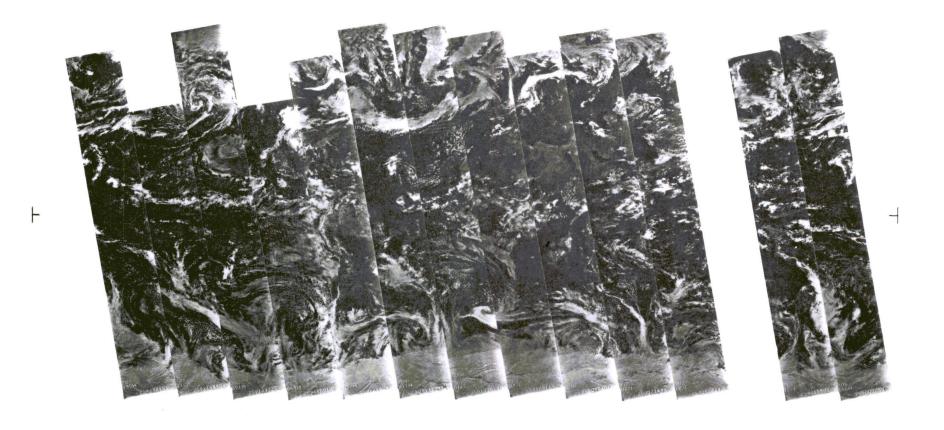
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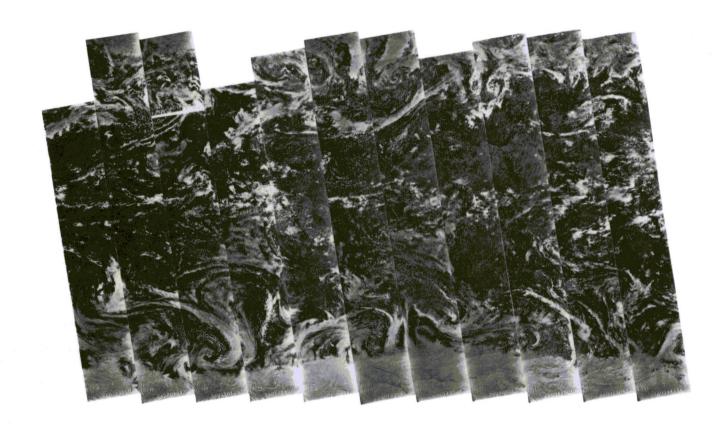
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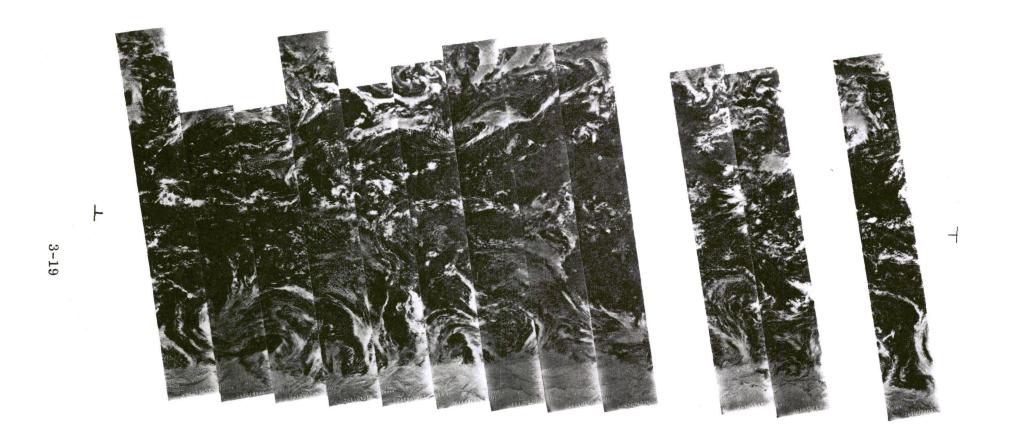
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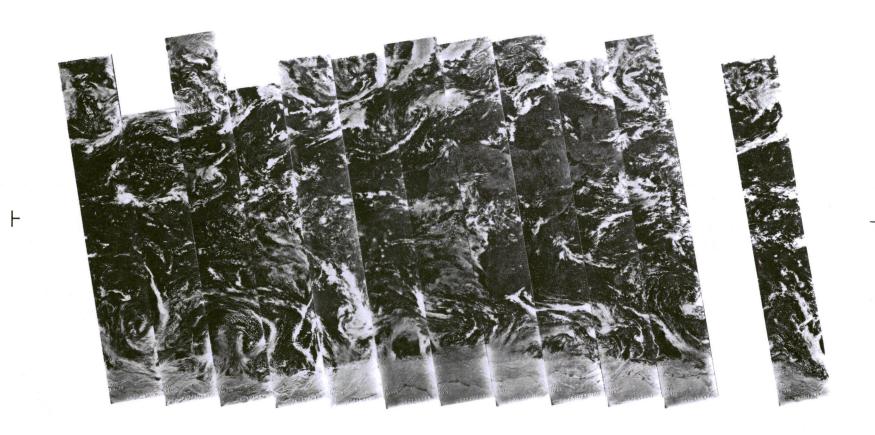
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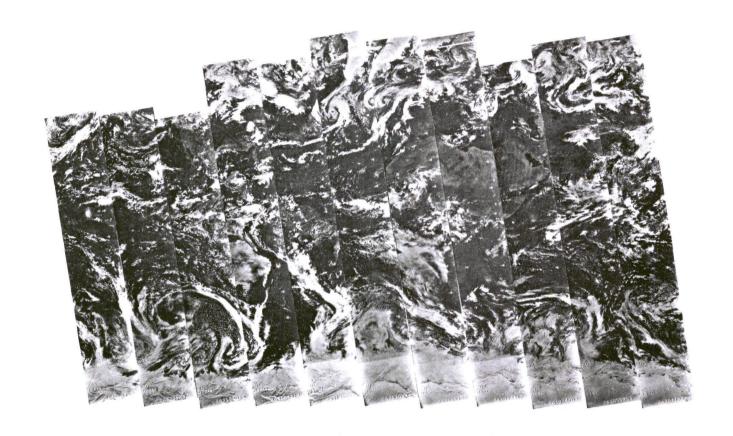
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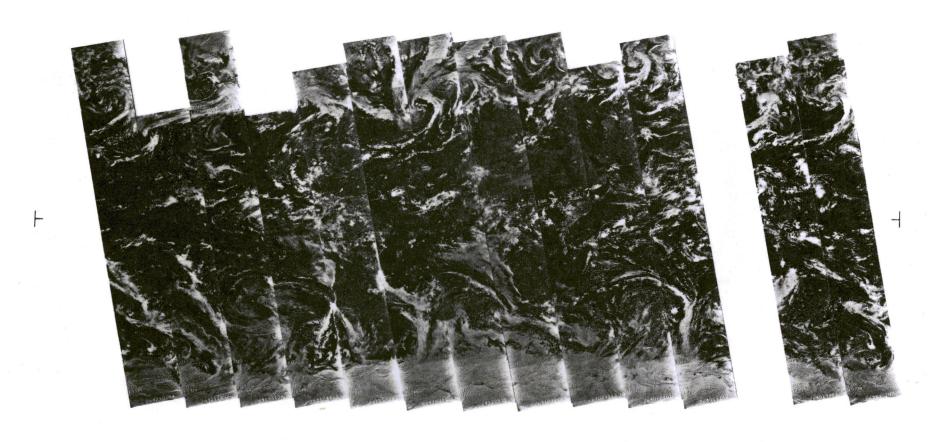
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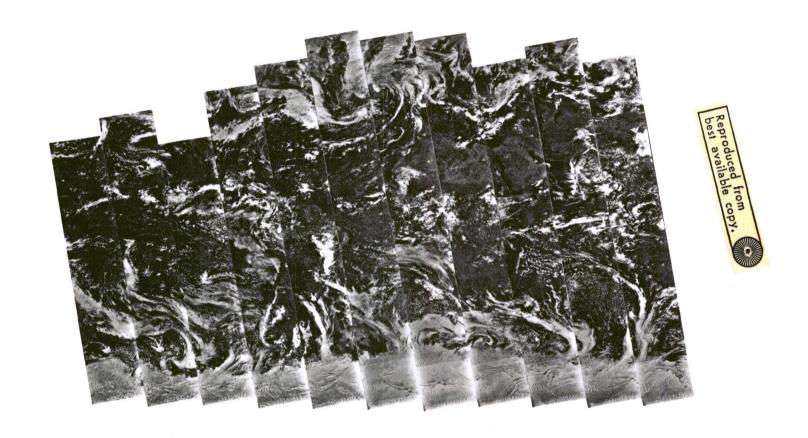
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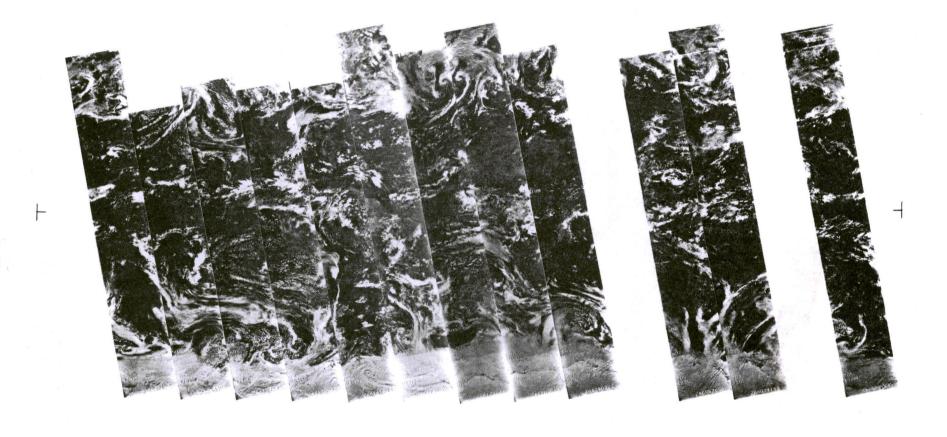
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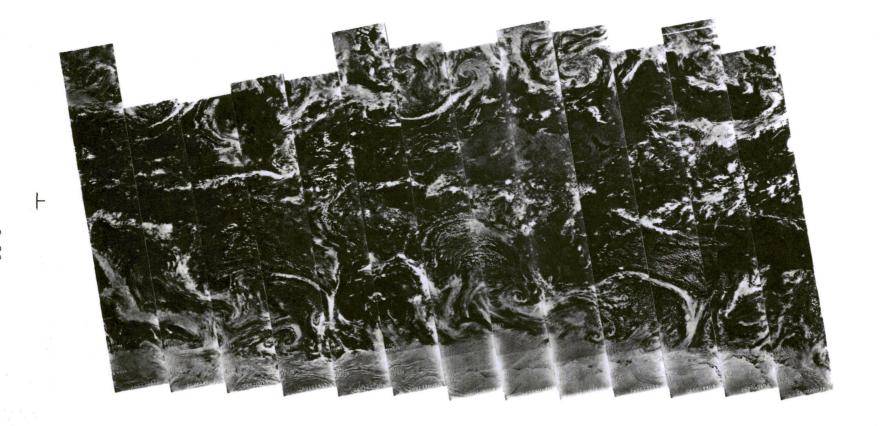
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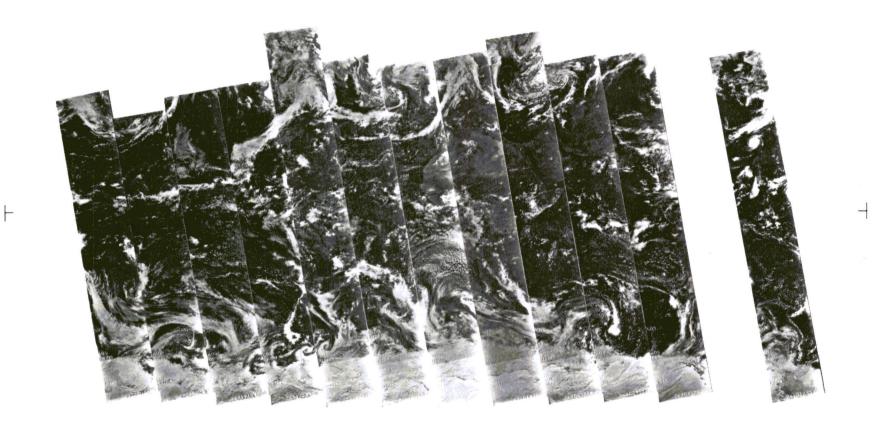
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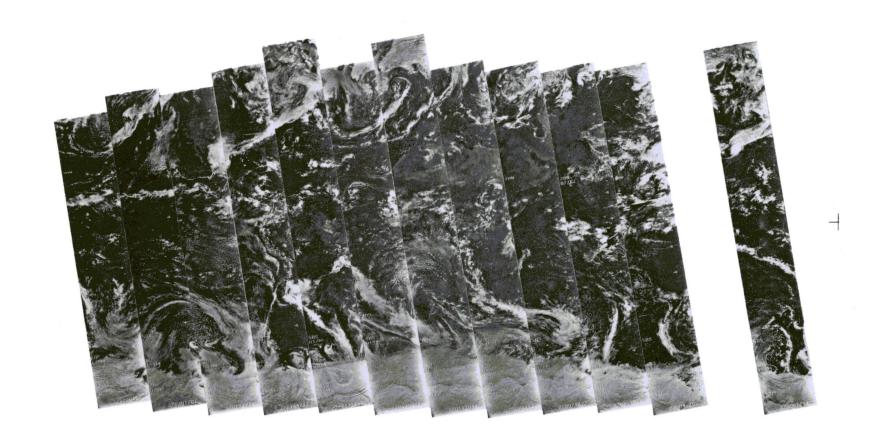
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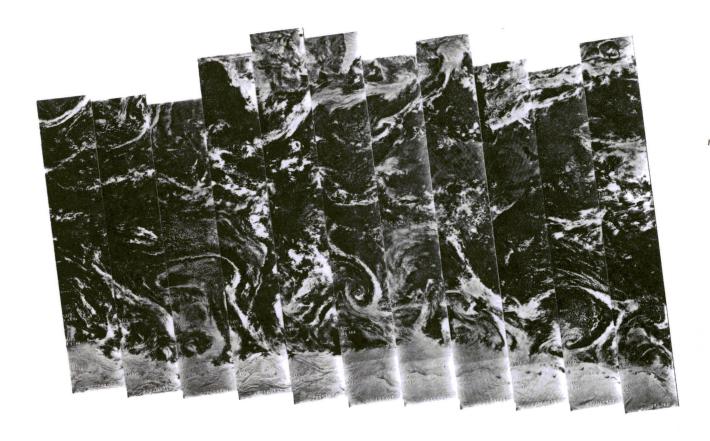
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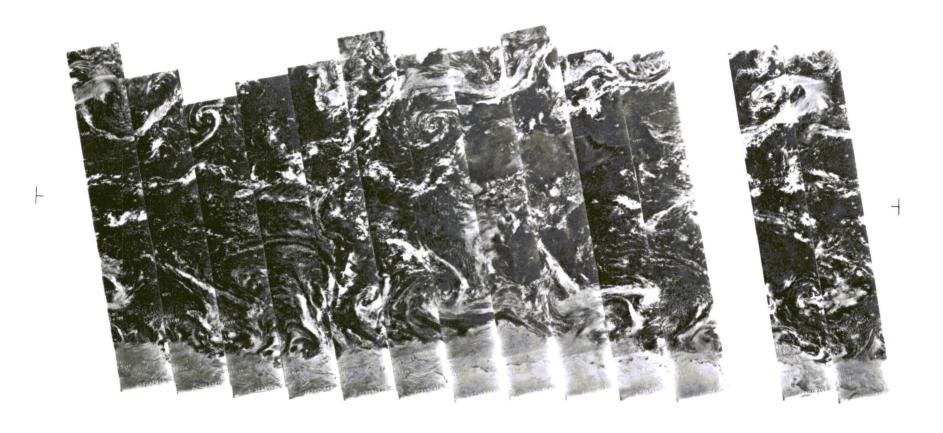


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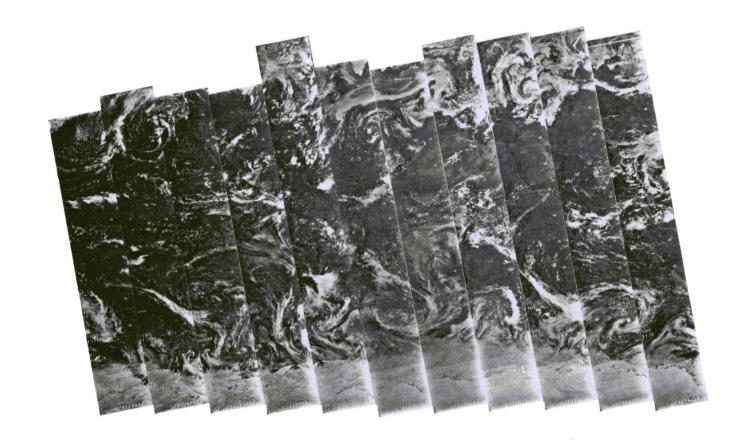




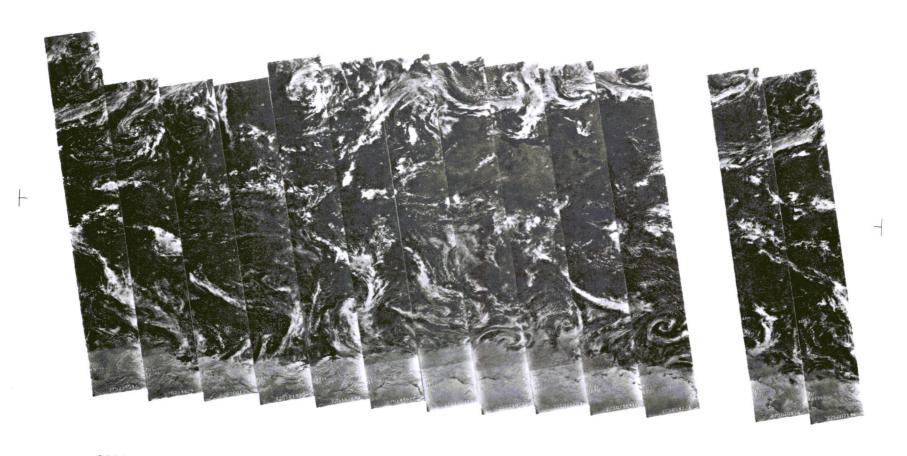
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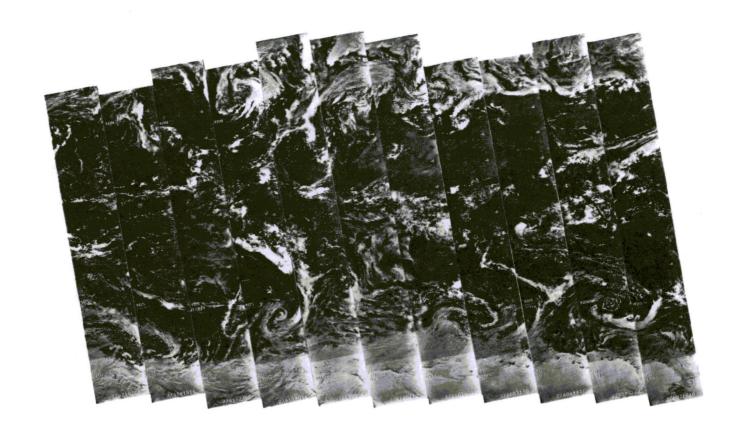
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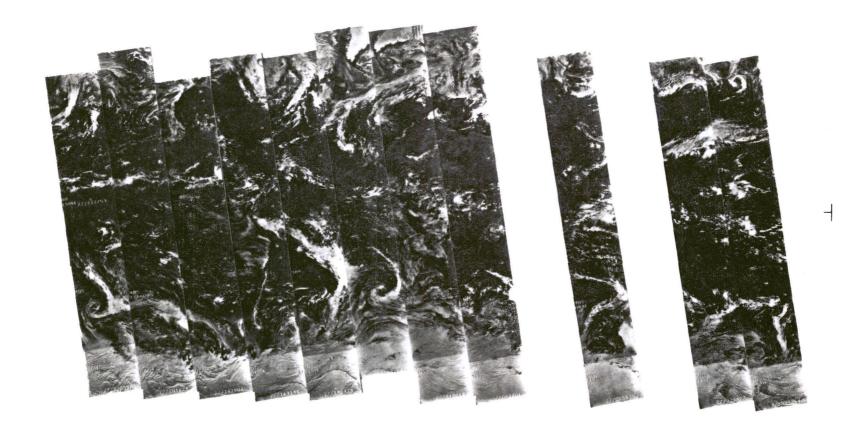
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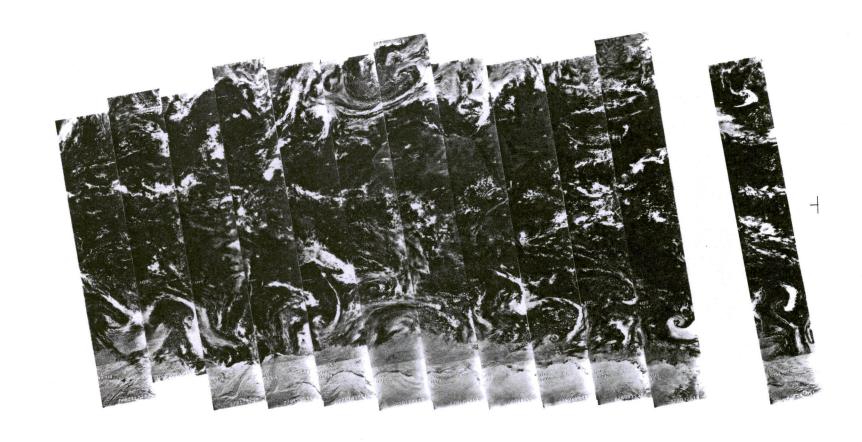
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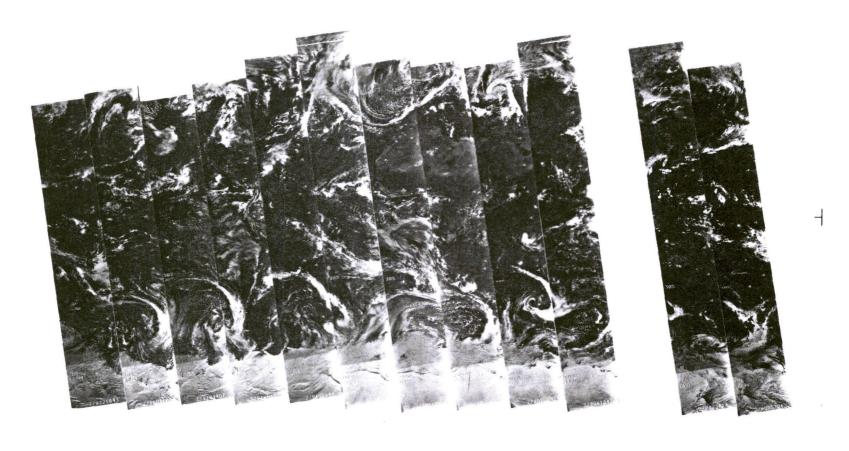
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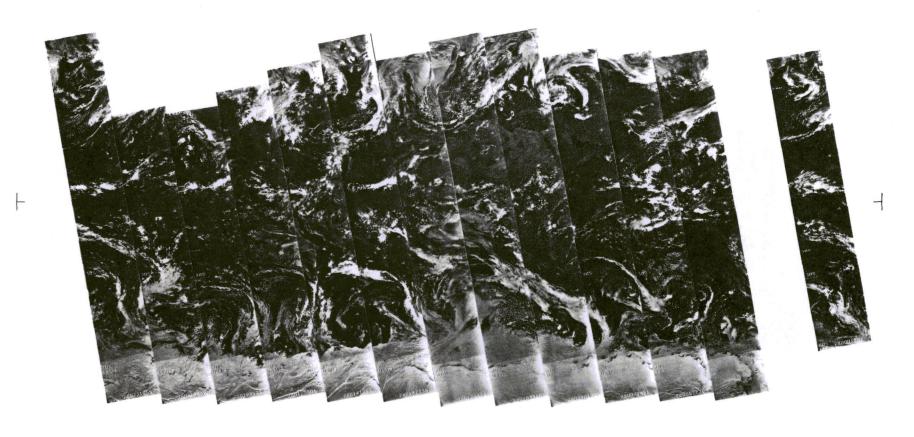
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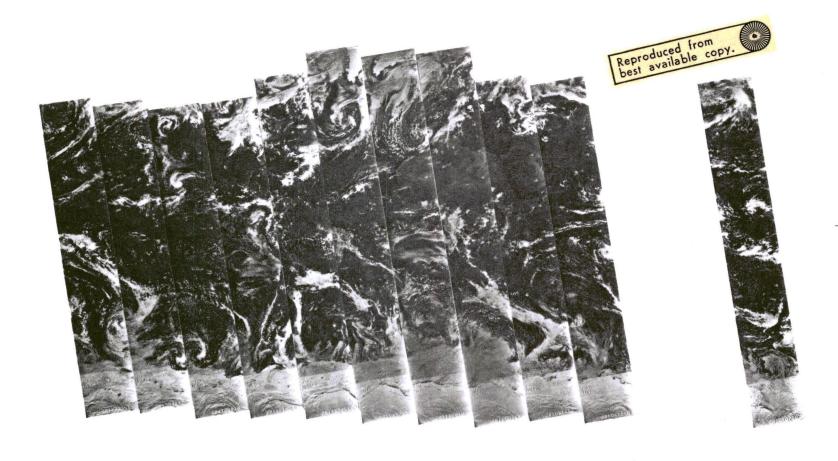
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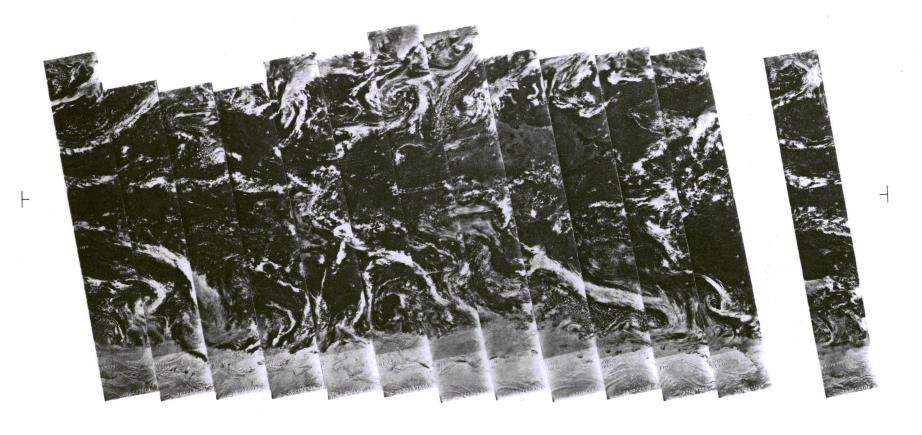
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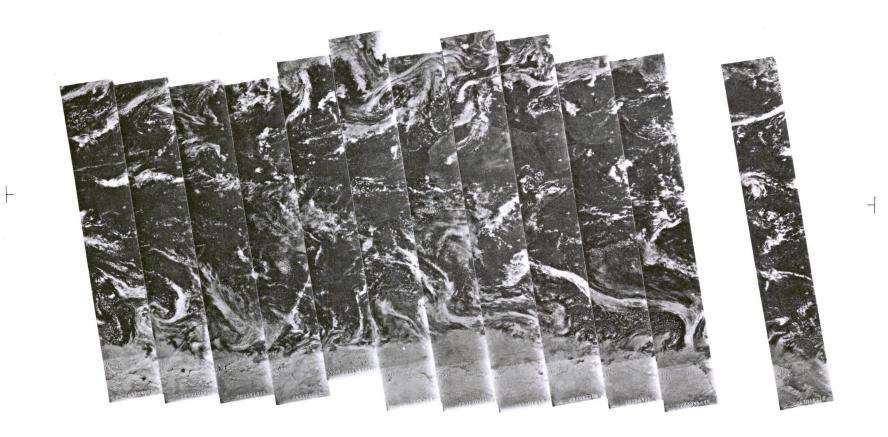
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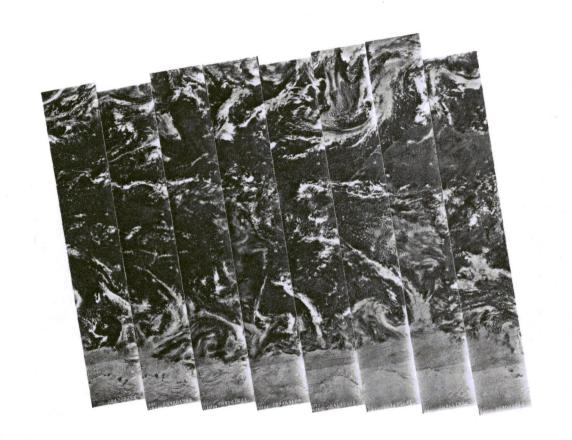
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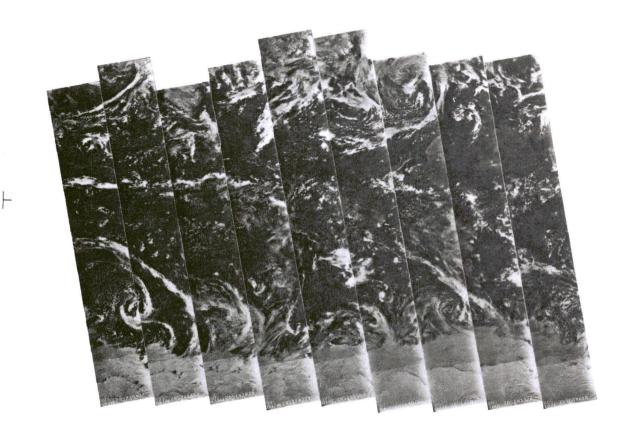


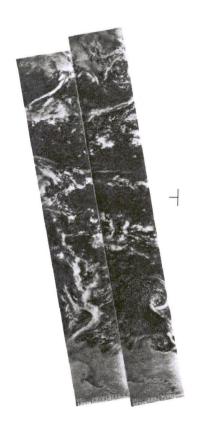
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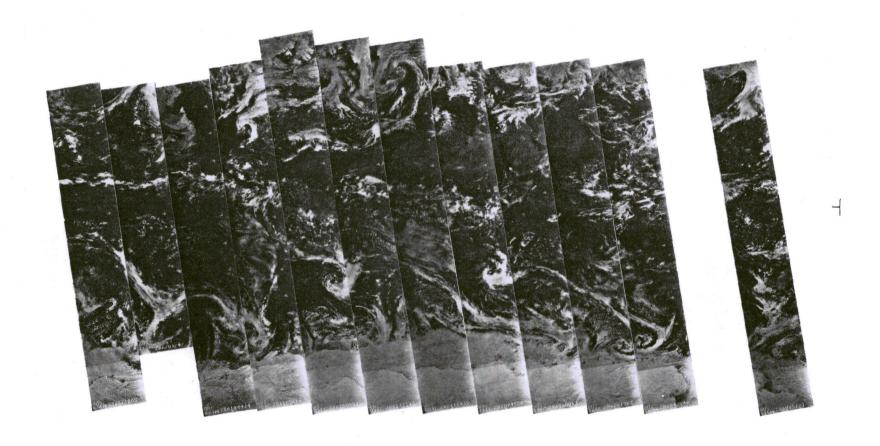


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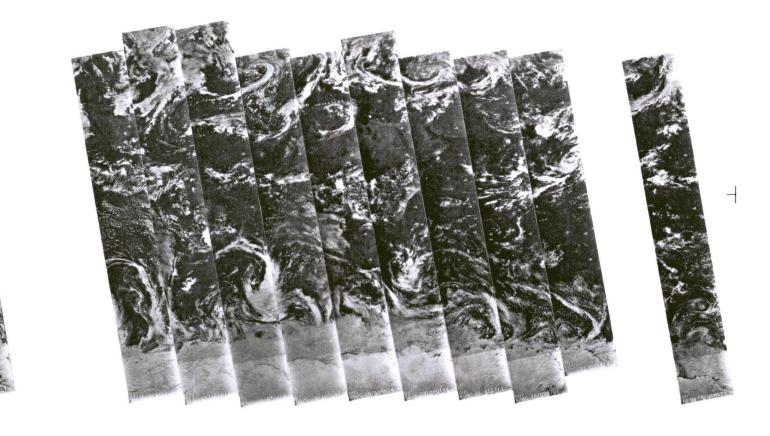




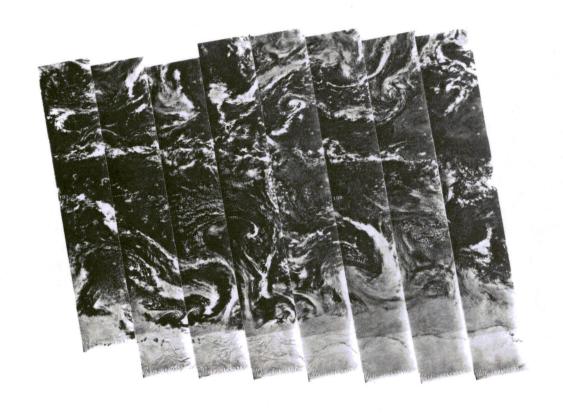
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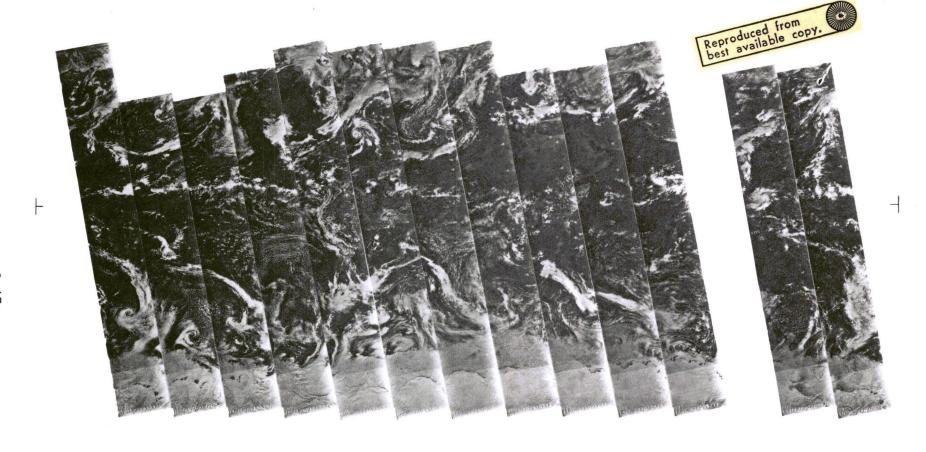


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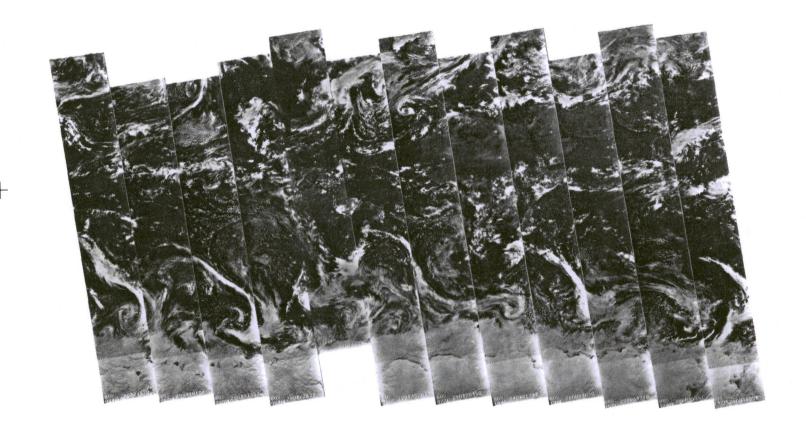




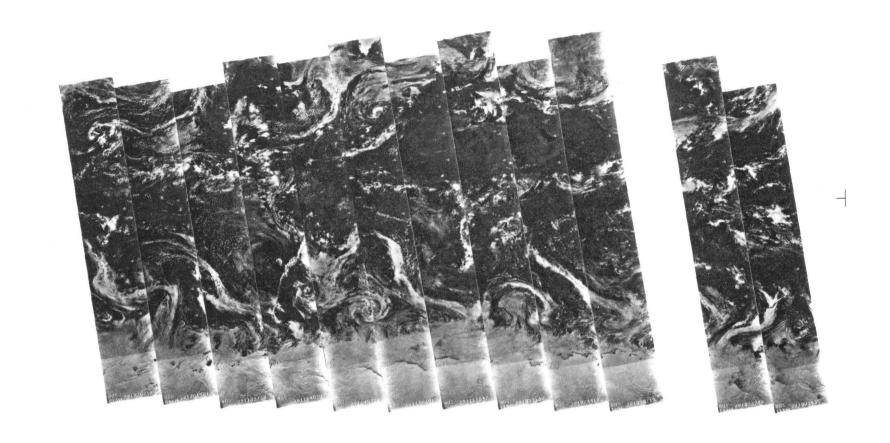
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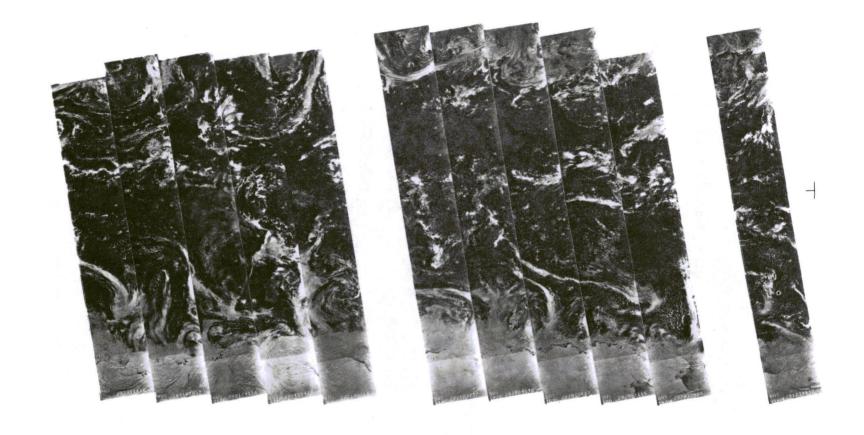
2574 2573 2572 2571 2570 2569 2568 2567 2566 2565 2564 2563 2562 2561 16 OCTOBER 1970



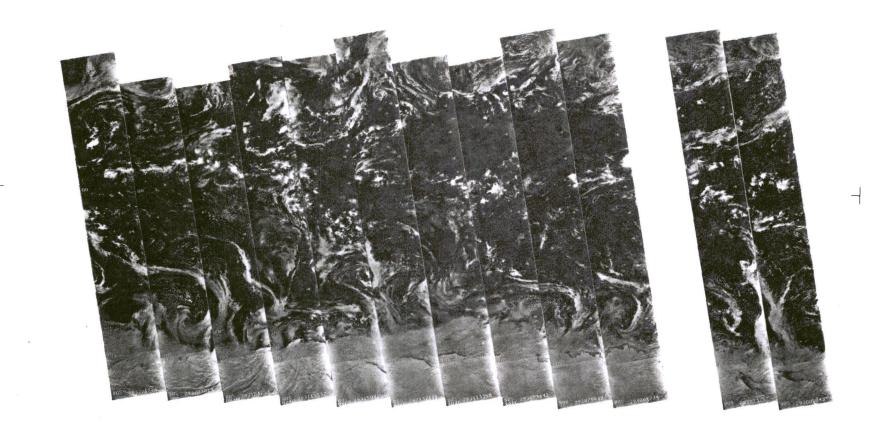
2587 2586 2585 2584 2583 2582 2581 2580 2579 2578 2577 2576 2575 17 OCTOBER 1970



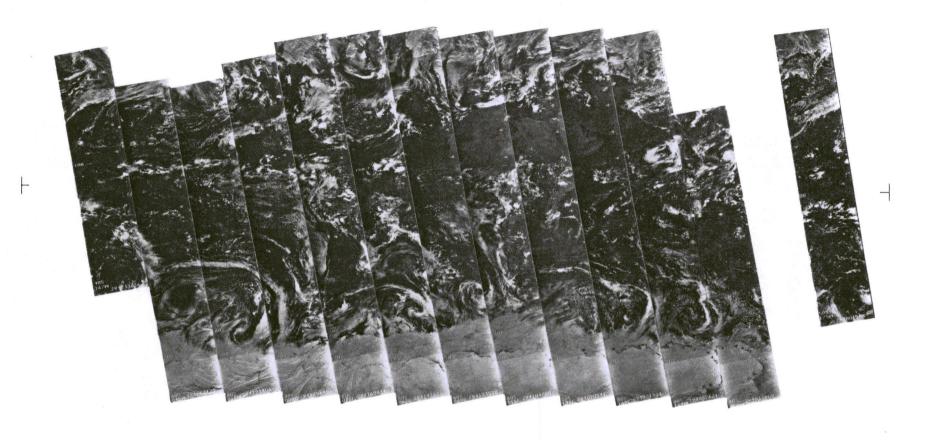
2600 2599 2598 2597 2596 2595 2594 2593 2592 2591 2590 2589 2588 18 OCTOBER 1970



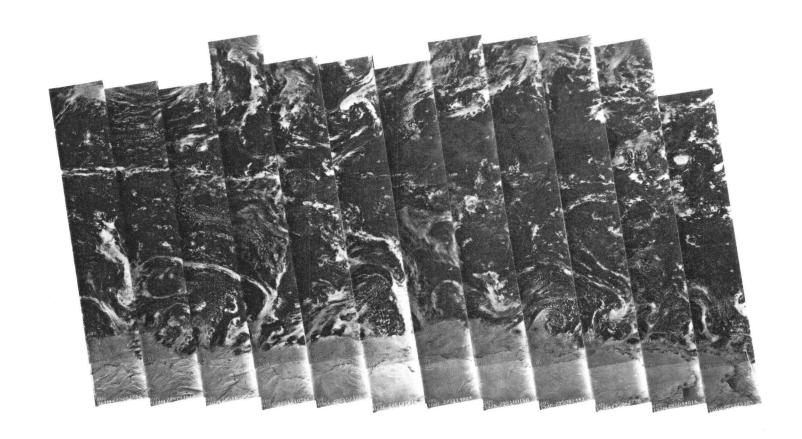
2614 2613 2612 2611 2610 2609 2608 2607 2606 2605 2604 2603 2602 2601 19 OCTOBER 1970



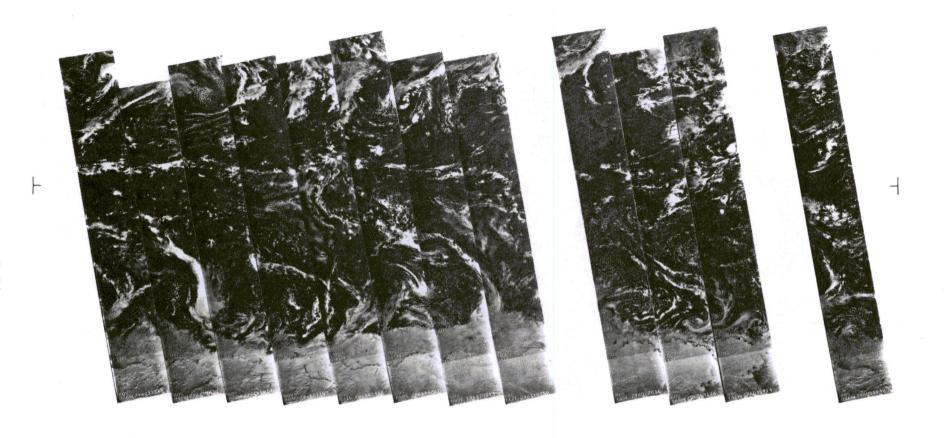
2627 2626 2625 2624 2623 2622 2621 2620 2619 2618 2617 2616 2615 20 OCTOBER 1970



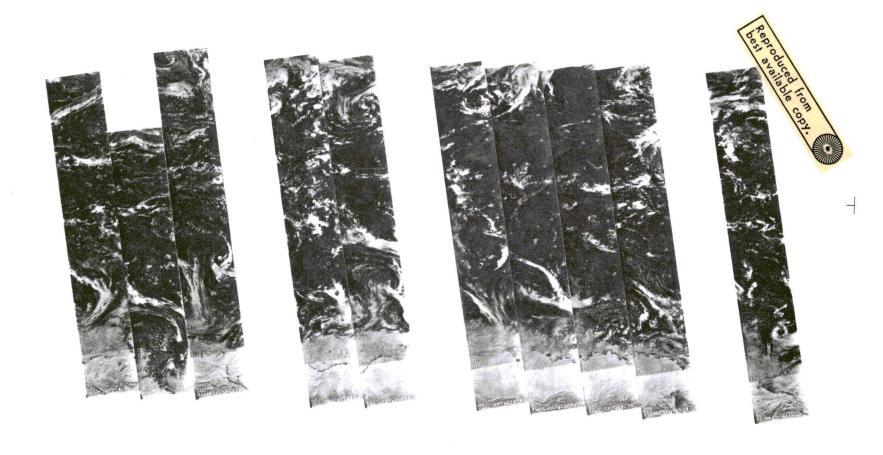
2641 2640 2639 2638 2637 2636 2635 2634 2633 2632 2631 2630 2629 2628 21 OCTOBER 1970



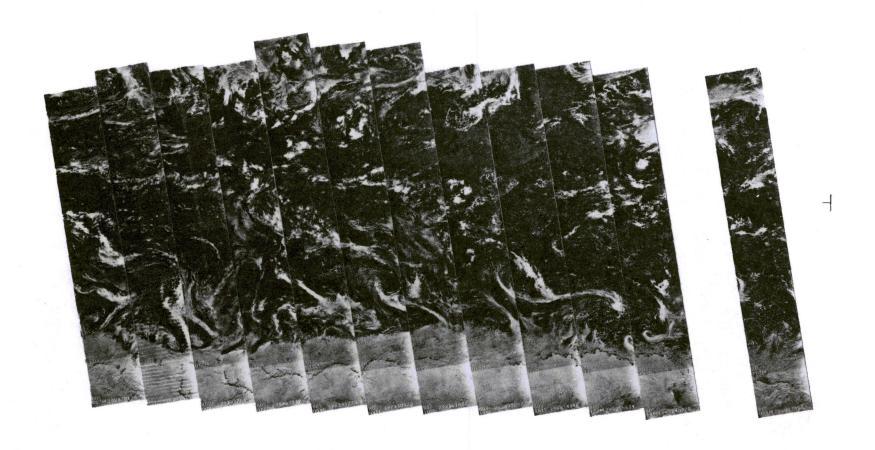
2654 2653 2652 2651 2650 2649 2648 2647 2646 2645 2644 2643 2642 22 OCTOBER 1970



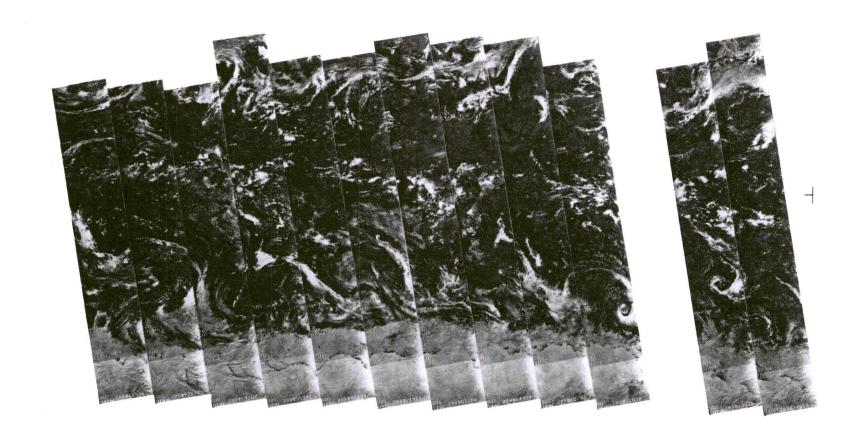
2668 2667 2666 2665 2664 2663 2662 2661 2660 2659 2658 2657 2656 2655 23 OCTOBER 1970



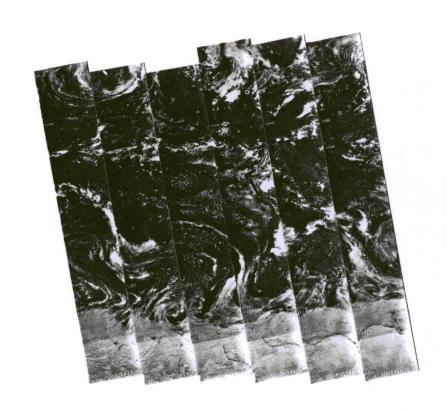
2681 2680 2679 2678 2677 2676 2675 2674 2673 2672 2671 2670 2669 24 OCTOBER 1970

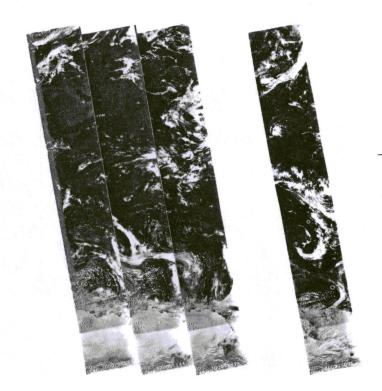


2694 2693 2692 2691 2690 2689 2688 2687 2686 2685 2684 2683 2682 25 OCTOBER 1970

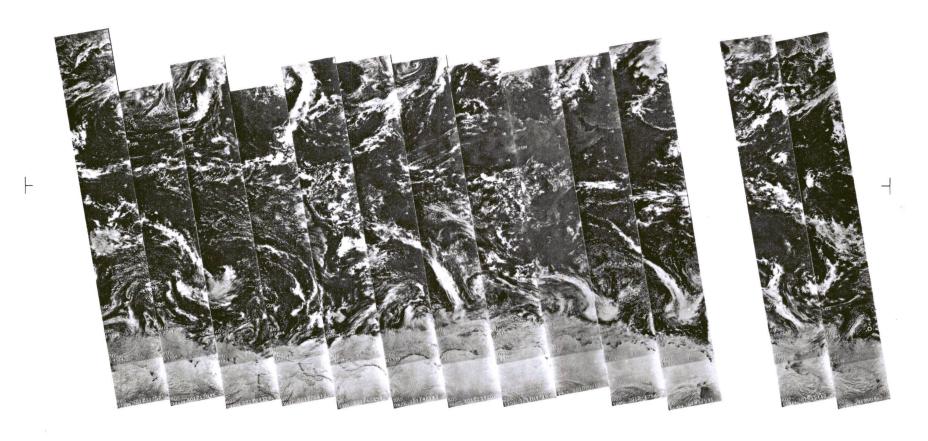


2708 2707 2706 2705 2704 2703 2702 2701 2700 2699 2698 2697 2696 2695 26 OCTOBER 1970





2721 2720 2719 2718 2717 2716 2715 2714 2713 2712 2711 2710 2709 27 OCTOBER 1970

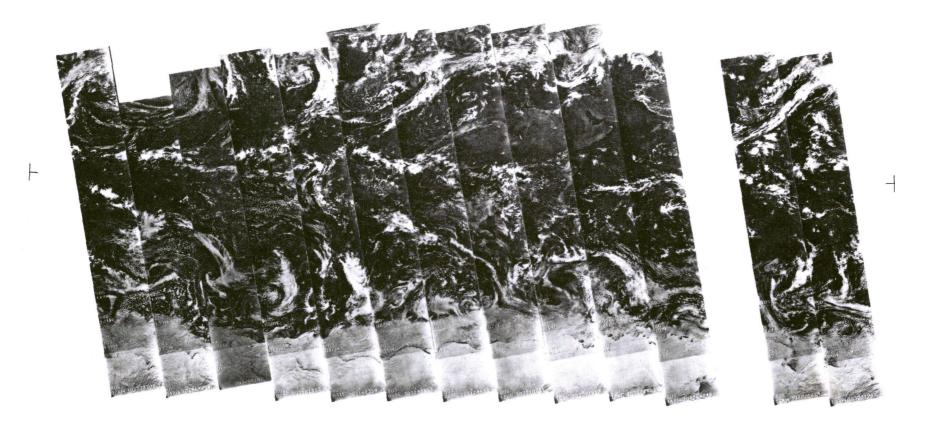


2735 2734 2733 2732 2731 2730 2729 2728 2727 2726 2725 2724 2723 2722 28 OCTOBER 1970

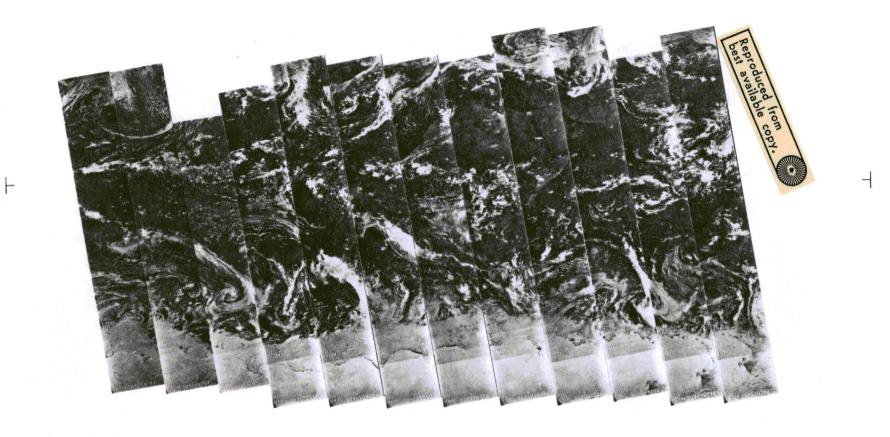




2748 2747 2746 2745 2744 2743 2742 2741 2740 2739 2738 2737 2736 29 OCTOBER 1970



2762 2761 2760 2759 2758 2757 2756 2755 2754 2753 2752 2751 2750 2749 30 OCTOBER 1970



2775 2774 2773 2772 2771 2770 2769 2768 2767 2766 2765 2764 2763 31 OCTOBER 1970

SECTION 4

TEMPERATURE-HUMIDITY INFRARED RADIOMETER MONTAGES

This section pictorially documents the data from the Temperature-Humidity Infrared Radiometer experiment carried on the Nimbus 4 Meteorological Satellite. Section 4.1 contains all nighttime THIR 11.5 and 6.7 micrometer montages and Section 4.2 contains all daytime THIR 11.5 micrometer montages, arranged in chronological order. (No daytime 6.7 micrometer montages are shown since this channel was on for only one orbit (2546) during this catalog period). Key latitudes can be read from the superposed grids. Grid points are identified where each swath crosses 60°N, 30°N, EQUATOR, 30°S and 60°S.

Vellum Location Guide overlays, attached to the back of this document, are to be used for general orientation with the data presented in each THIR montage. Proper alignment of the overlay grid is accomplished by matching the grid indices on the equator with the two "T" marks on each montage.

Each THIR montage is provided with a time scale to determine the Universal Time limits required to order processed THIR grid print maps (see p. 57, Nimbus IV User's Guide). The time scale determines the number of minutes from ascending (daytime data) or descending (nighttime data) node time for the interval of data required. To obtain the Universal Time for daytime data, the measured time is to be added to the ascending node time in the northern hemisphere and subtracted in the southern hemisphere. For nighttime data, the measured time is to be subtracted from the descending node time in the northern hemisphere and added in the southern hemisphere. The ascending and descending node times are given in Section 2.

The following alternate procedure also establishes Universal Time limits. Knowing the latitude limits of the study area, the minutes from ascending or descending node can be directly interpolated from Table 4-1. These time values can then be added to or subtracted from node times given in Section 2.

A description of the THIR experiment and instructions for ordering THIR data may be found in the Nimbus IV User's Guide, Section 3.

Table 4-1

LATITUDE VERSUS MINUTES FROM ASCENDING OR DESCENDING NODE

| Latitude from | Minutes and Seconds |
|---------------|---------------------|
| AN or DN | from AN or DN |
| | |
| 0 | 0:00 |
| 5 | 1:31 |
| 10 | 3:02 |
| 15 | 4:33 |
| 20 | 6:03 |
| 25 | 7:34 |
| 30 | 9:05 |
| 35 | 10:36 |
| 40 | 12:08 |
| 45 | 13:40 |
| 50 | 15:12 |
| 55 | 16:44 |
| 60 | 18:18 |
| 65 | 19:52 |
| 70 | 21:33 |
| 75 | 23:26 |
| 78 | 24:44 |
| 80.1 | 26:49 |
| 78 | 29:00 |
| 75 | 30:09 |
| 70 | 31:51 |
| 65 | 33:35 |
| | 00.00 |

SECTION 4.1 TEMPERATURE HUMIDITY INFRARED RADIOMETER NIGHTTIME MONTAGES

min.

1969 1968 1967 1966 1965 1964 1963 1962 1961 1960 1959 1958 1957 1 SEPTEMBER 1970

min.

1 SEPTEMBER 1970

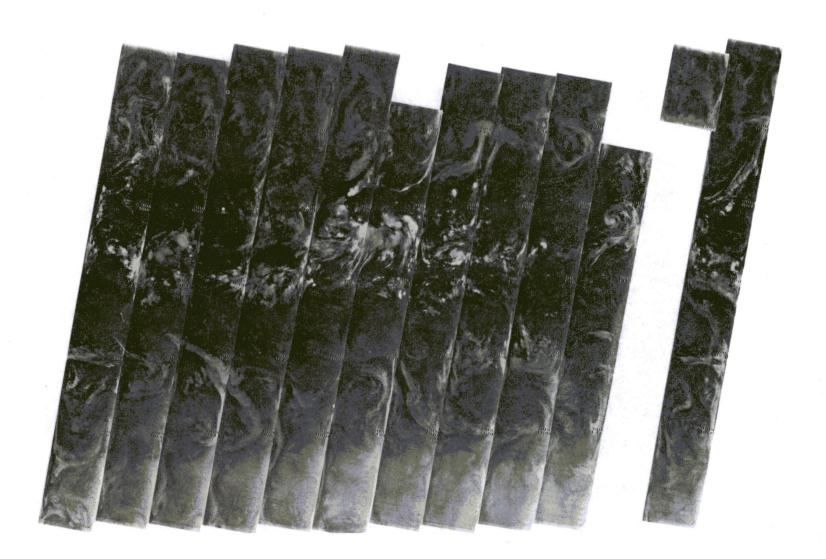
 $6.7~\mu m$

1983 1982 1981 1980 1979 1978 1977 1976 1975 1974 1973 1972 1971 1970

1983 1982 1981 1980 1979 1978 1977 1976 1975 1974 1973 1972 1971 1970

2 SEPTEMBER 1970

 $6.7 \mu m$

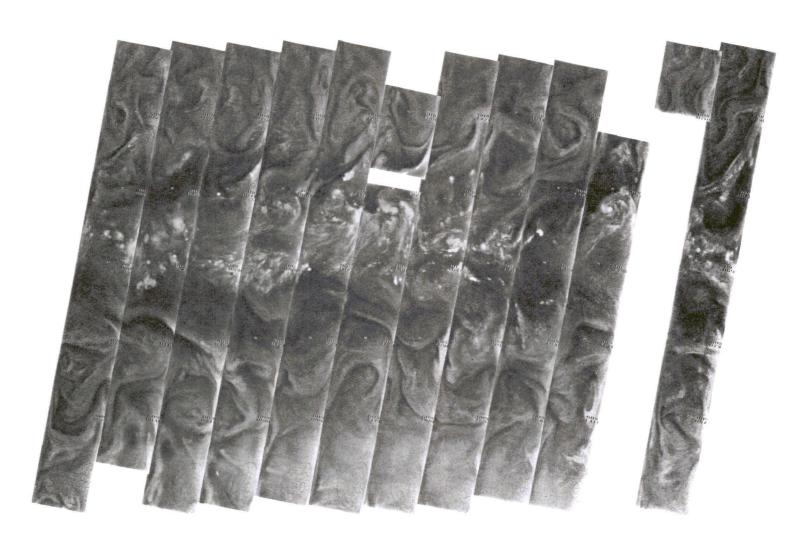


1996 1995 1994 1993 1992 1991 1990 1989 1988 1987 1986 1985 1984

3 SEPTEMBER 1970

11.5 μm

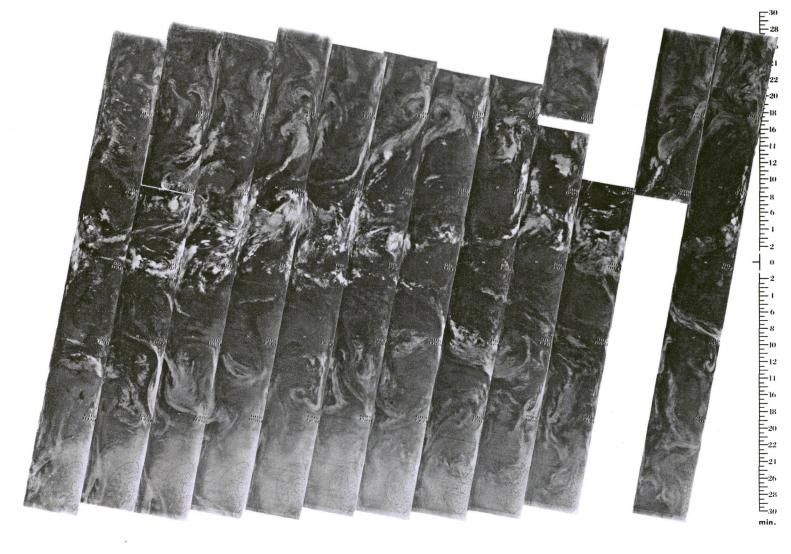
min.



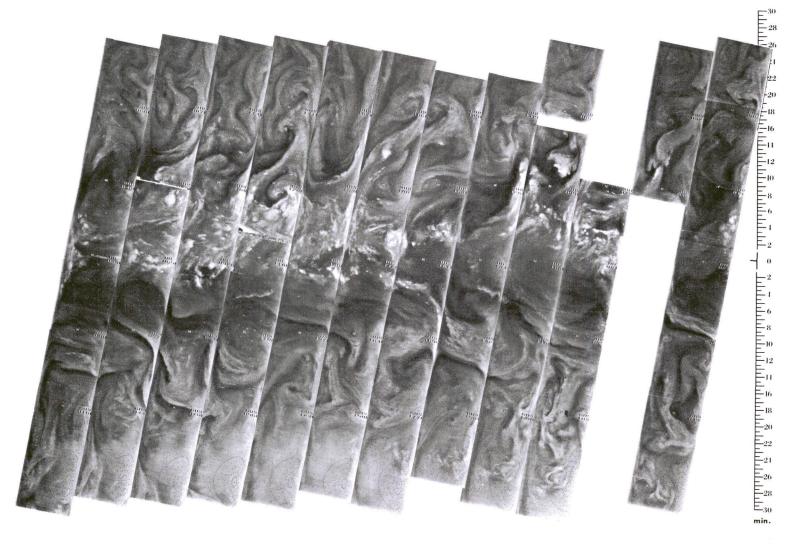
1996 1995 1994 1993 1992 1991 1990 1989 1988 1987 1986 1985 1984

3 SEPTEMBER 1970

 $6.7~\mu m$



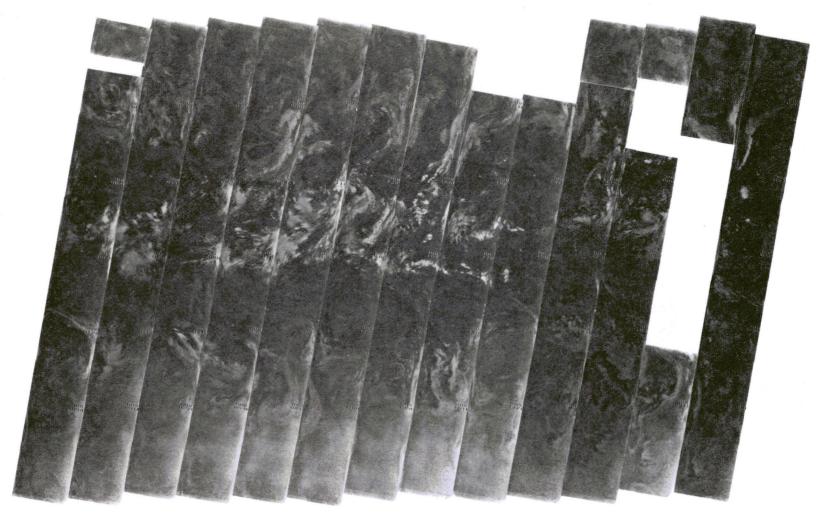
4 SEPTEMBER 1970



2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997

4 SEPTEMBER 1970

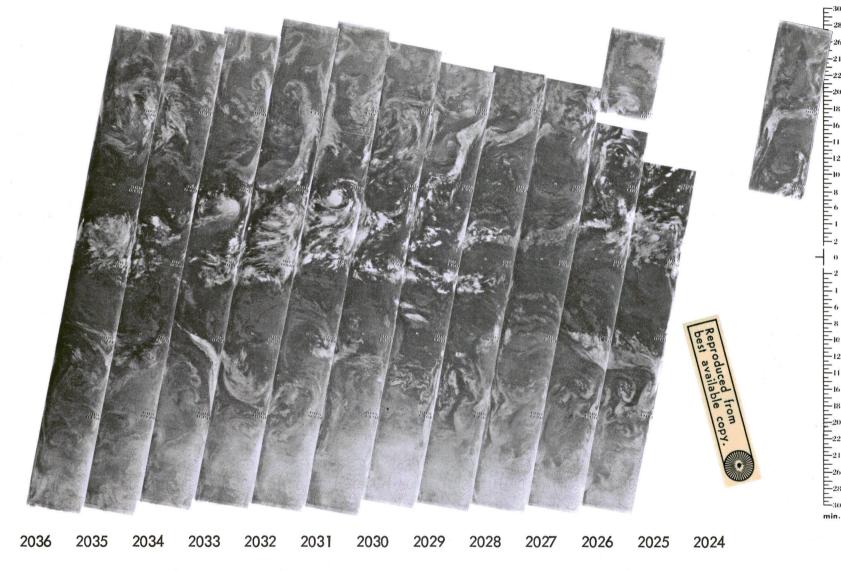
 $6.7~\mu\text{m}$



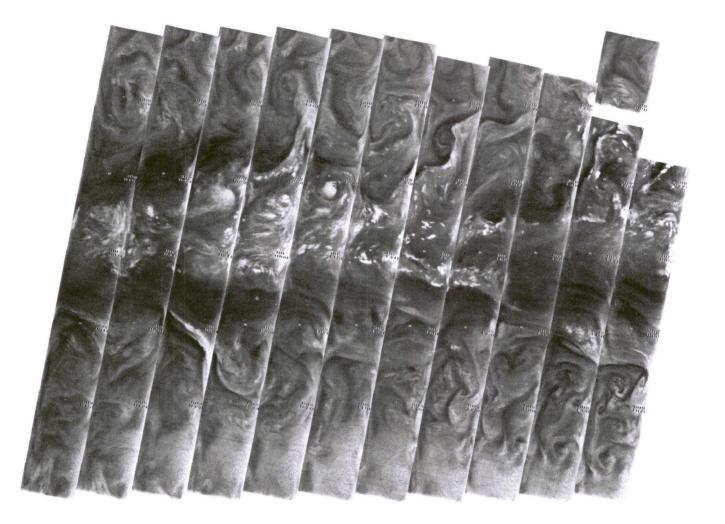
5 SEPTEMBER 1970

11.5 μm

6.7 µm



11.5 μm

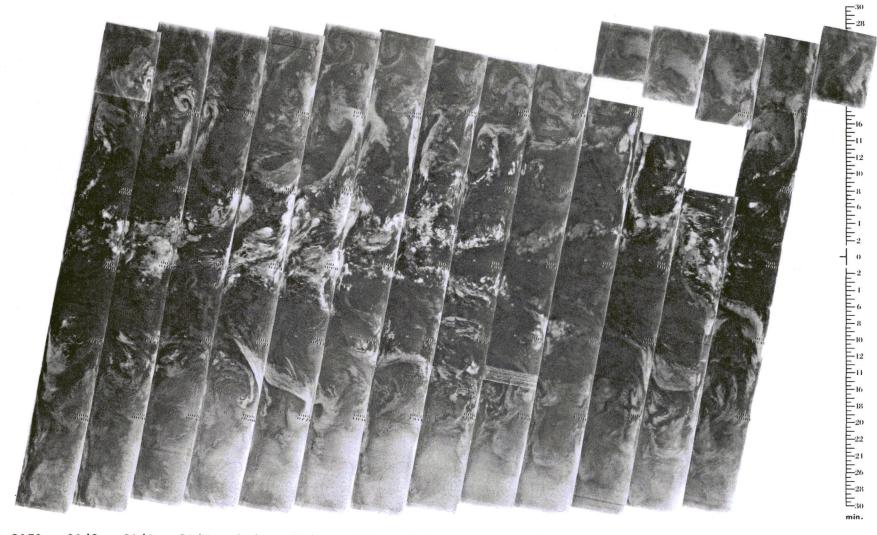


2036 2035 2034 2033 2032 2031 2030 2029 2028 2027 2026 2025 2024

6 SEPTEMBER 1970

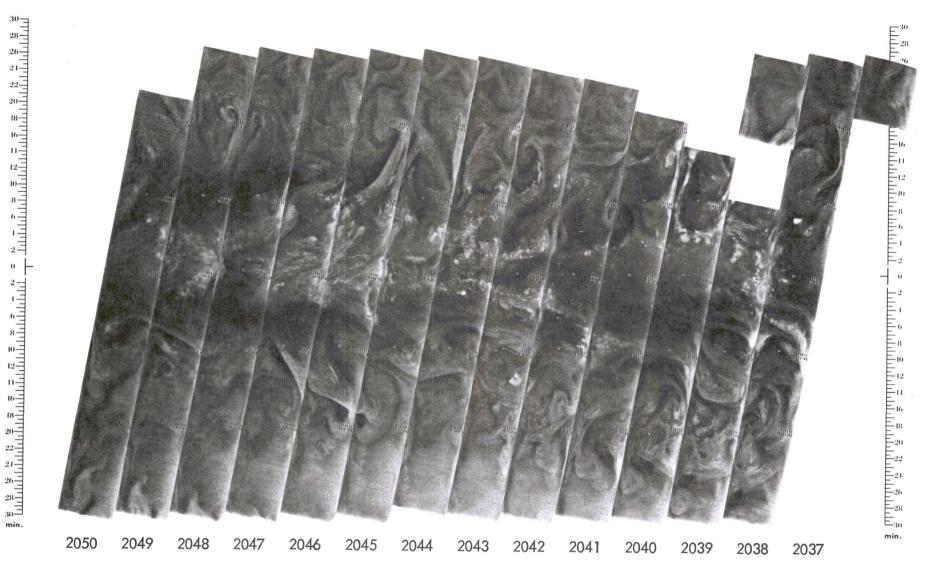
min.

6.7 µm

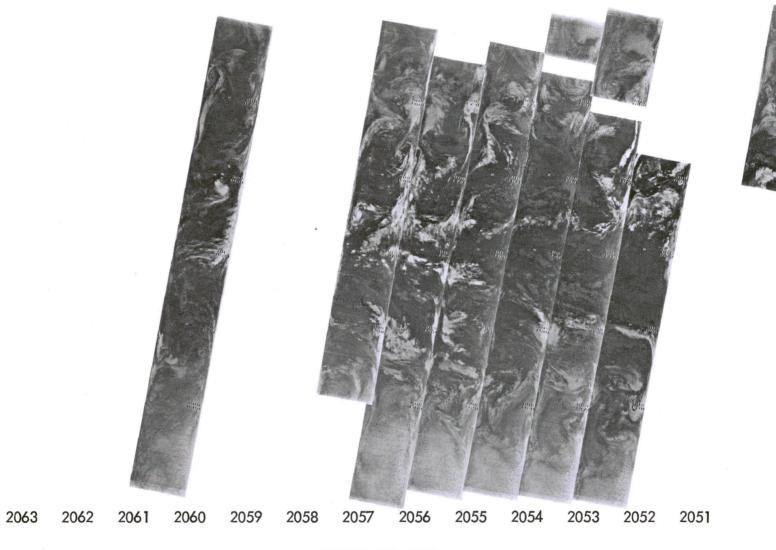


2050 2049 2048 2047 2046 2045 2044 2043 2042 2041 2040 2039 2038 2037

7 SEPTEMBER 1970



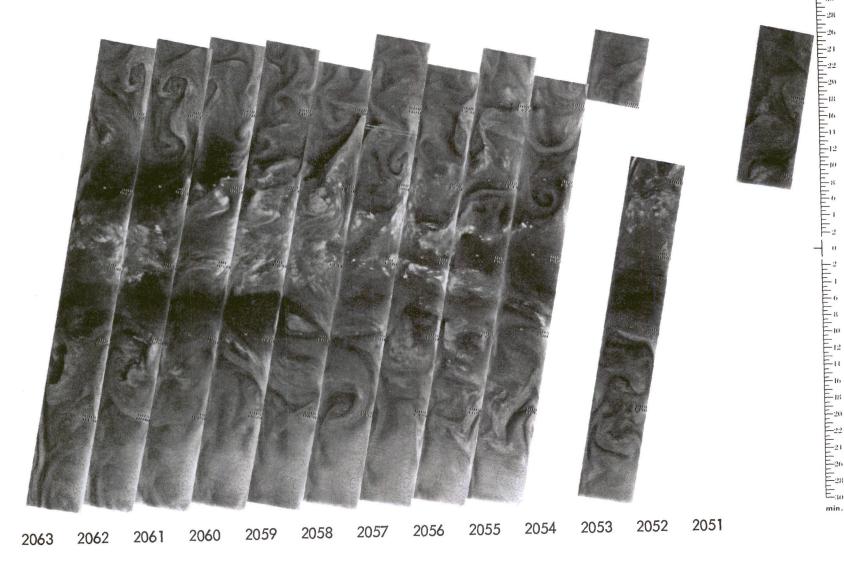
6.7 µm

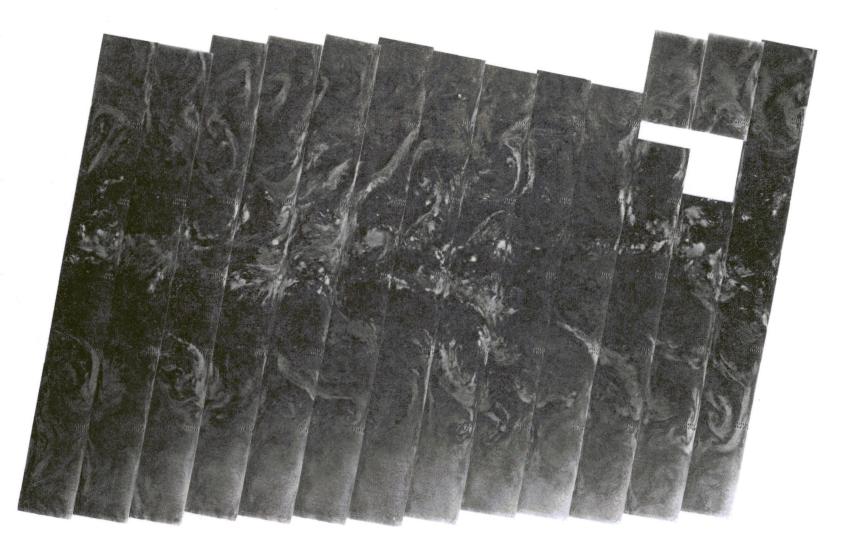


8 SEPTEMBER 1970

min.

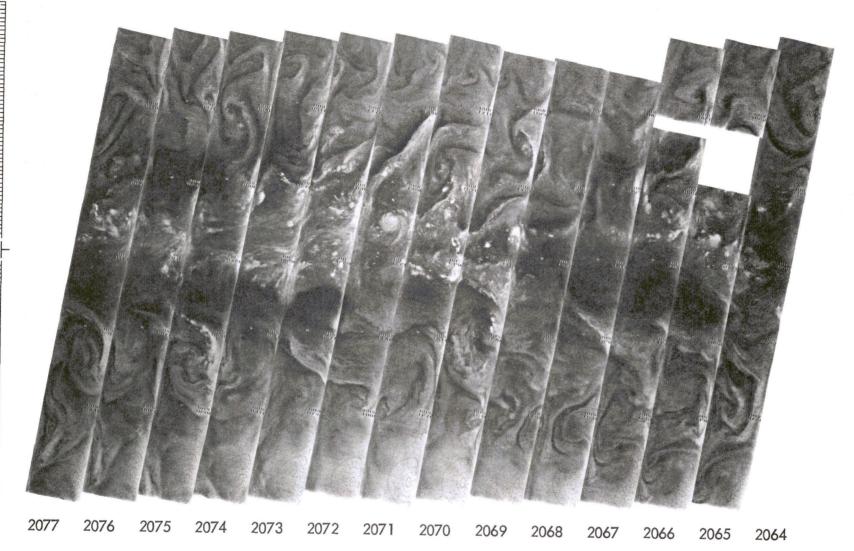
11.5 μm





2077 2076 2075 2074 2073 2072 2071 2070 2069 2068 2067 2066 2065 2064

9 SEPTEMBER 1970

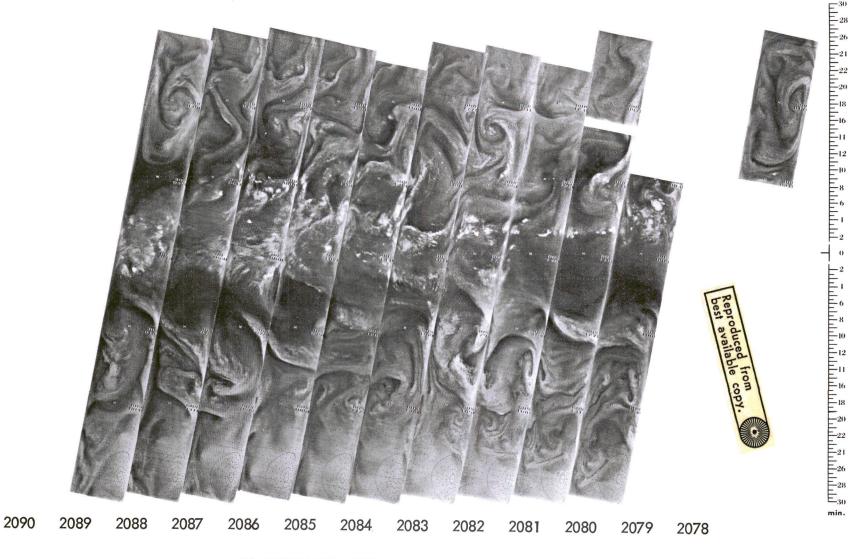


 $6.7~\mu m$

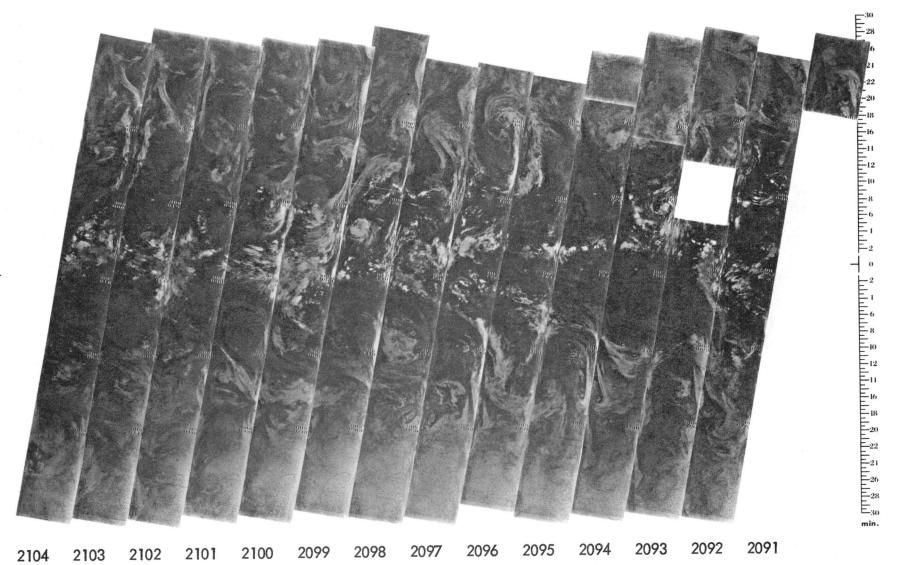


10 SEPTEMBER 1970

11.5 µm

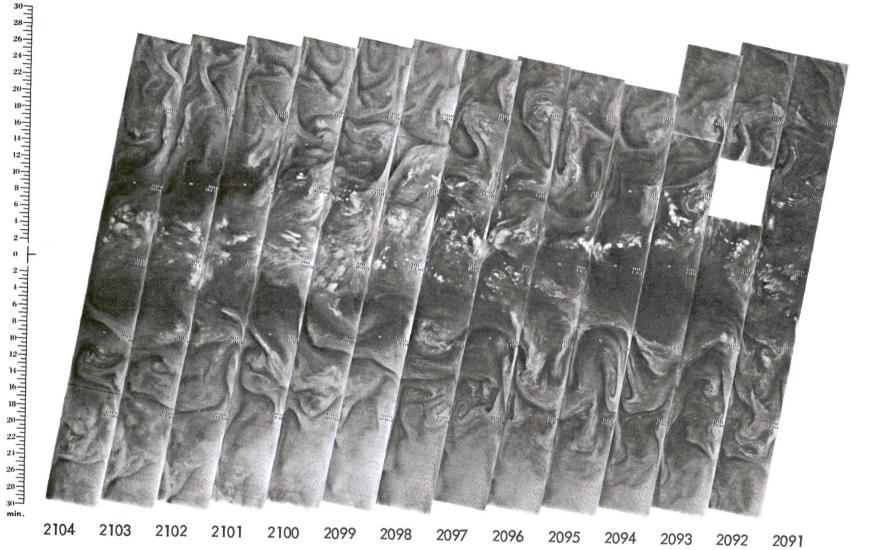


6.7 µm



11 SEPTEMBER 1970

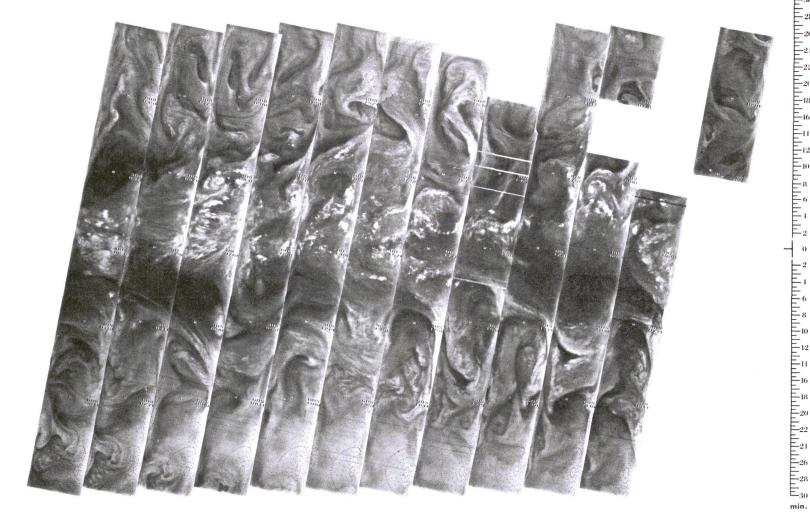
11.5 µm



 $6.7 \mu m$

2117 2116 2115 2114 2113 2112 2111 2110 2109 2108 2107 2106 2105

12 SEPTEMBER 1970

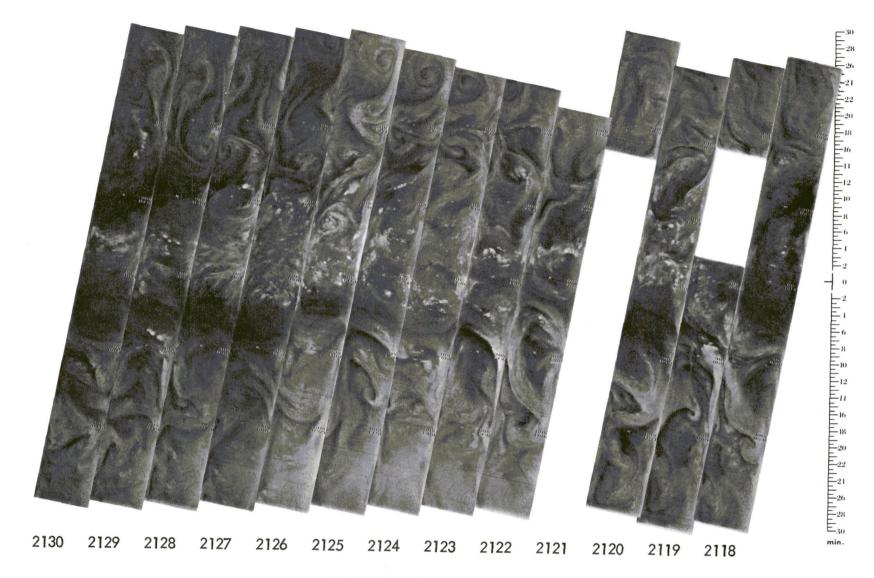


2117 2116 2115 2114 2113 2112 2111 2110 2109 2108 2107 2106 2105

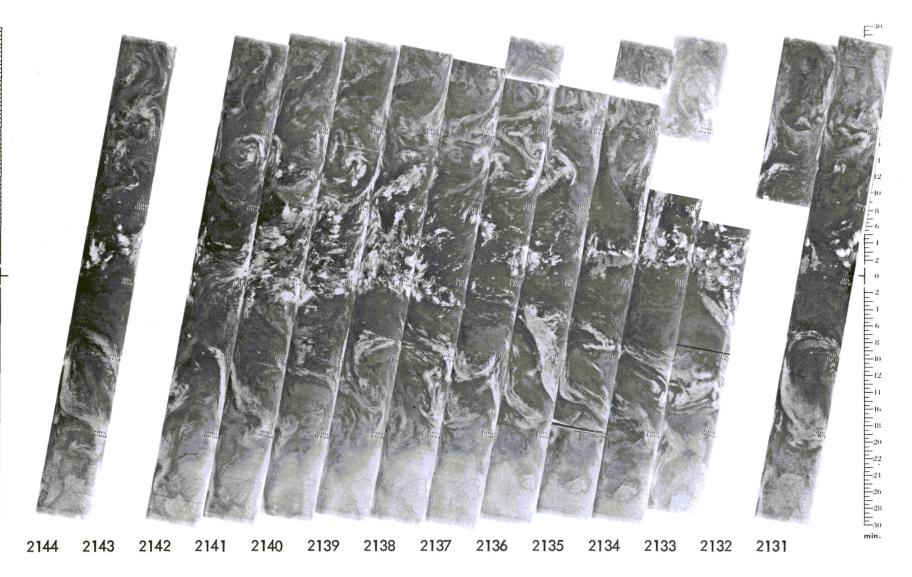
12 SEPTEMBER 1970

 $6.7 \mu m$

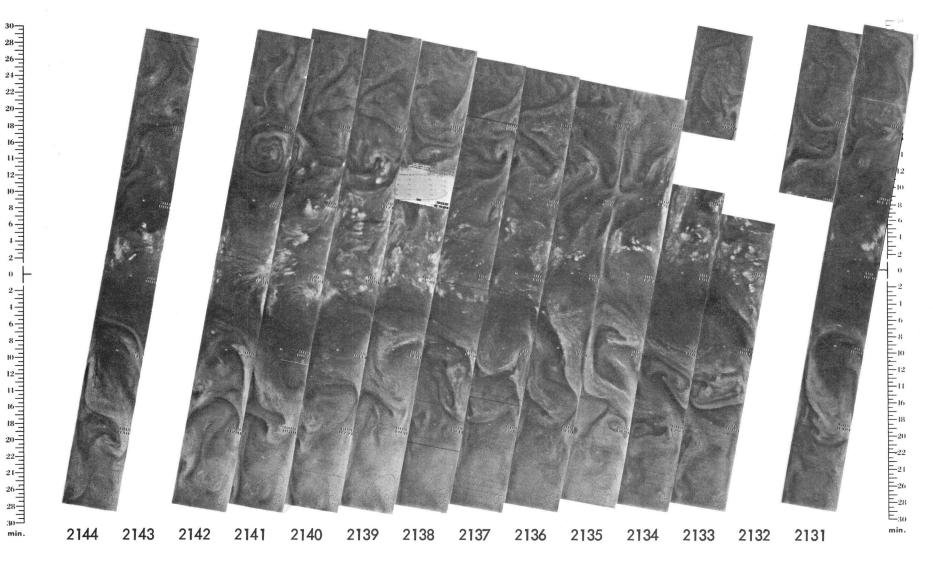
11.5 µm



 $6.7~\mu m$

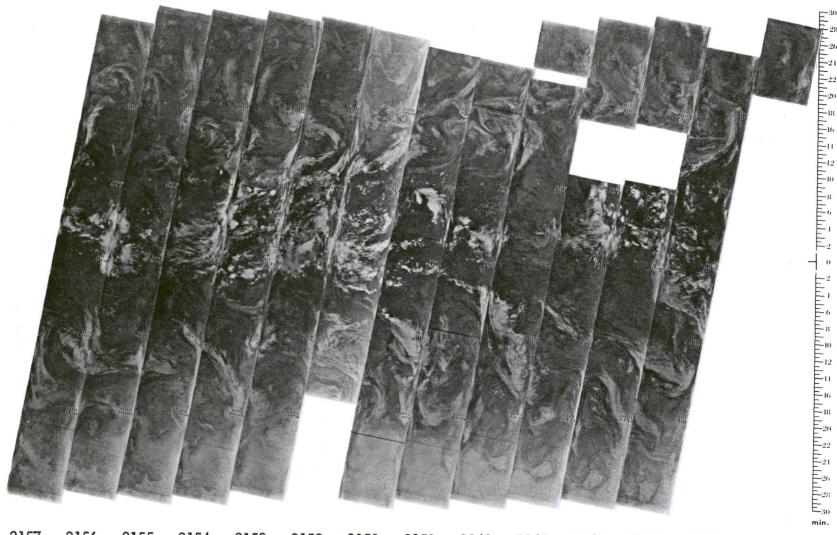


11.5 μm



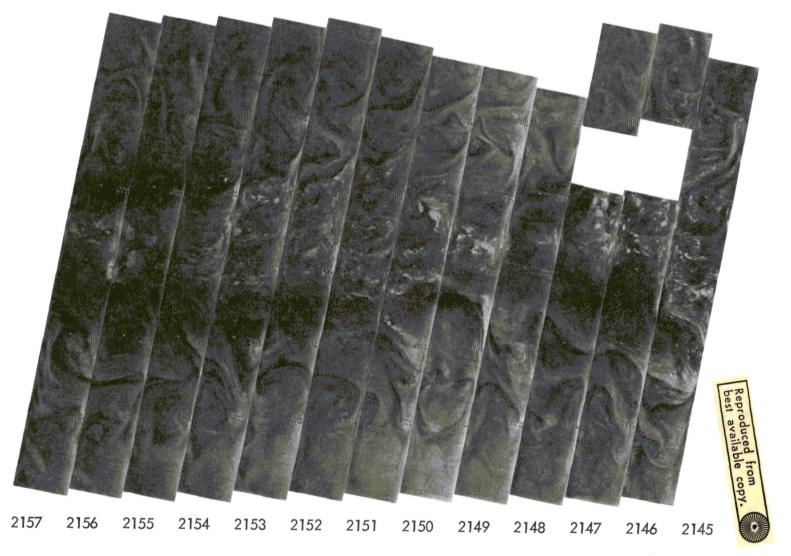
14 SEPTEMBER 1970

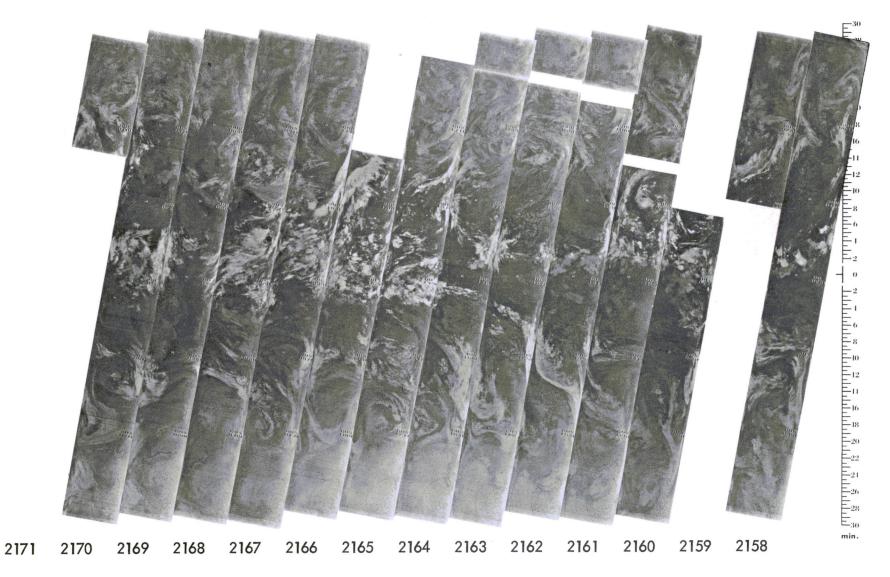
 $6.7~\mu m$



2157 2156 2155 2154 2153 2152 2151 2150 2149 2148 2147 2146 2145 15 SEPTEMBER 1970

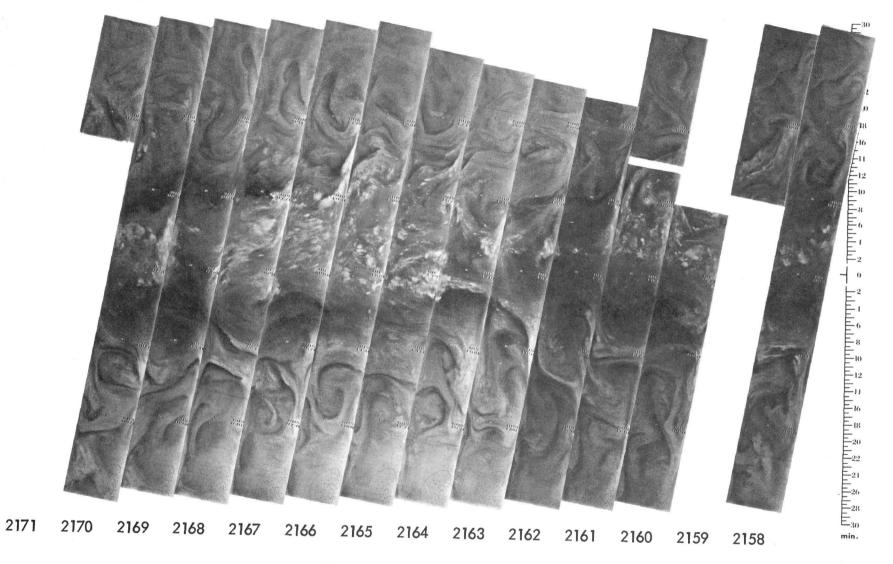
 $11.5~\mu\text{m}$





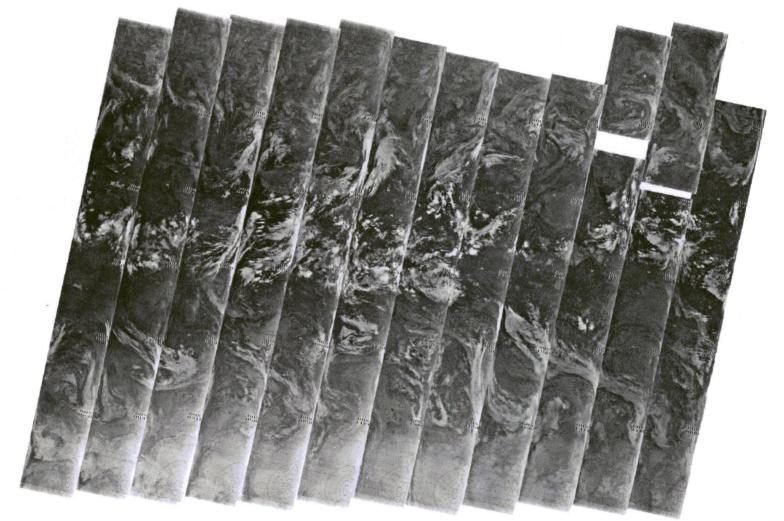
16 SEPTEMBER 1970

 $11.5~\mu\text{m}$

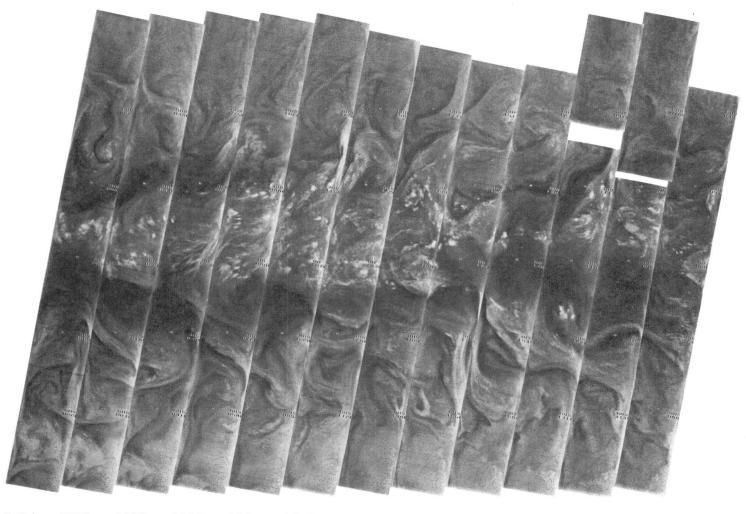


16 SEPTEMBER 1970

 $6.7~\mu m$



2184 2183 2182 2181 2180 2179 2178 2177 2176 2175 2174 2173 2172



2184 2183 2182 2181 2180 2179 2178 2177 2176 2175 2174 2173 2172

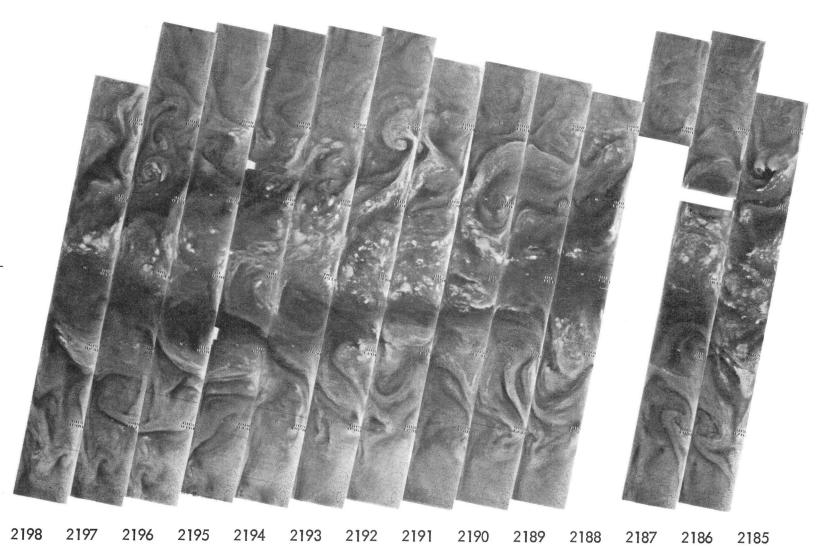
=-22

= 21 = 26 = 28 = 30

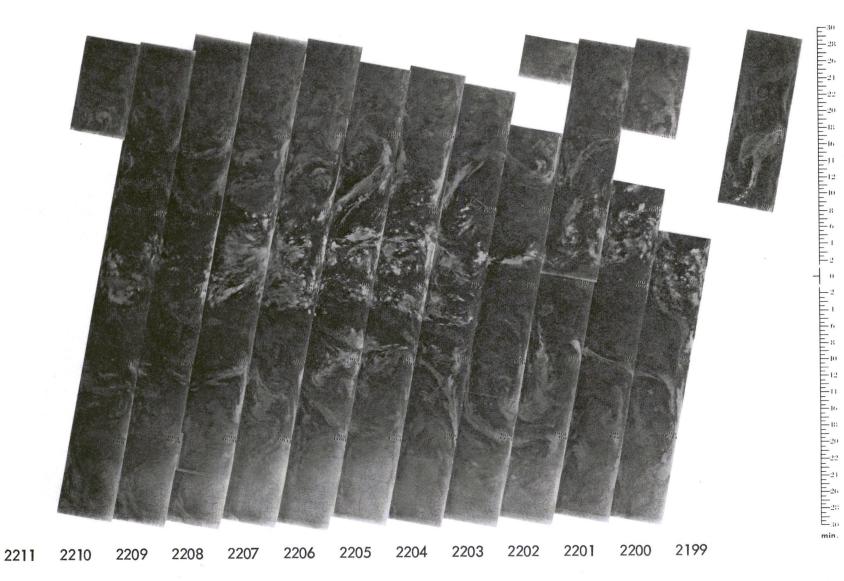
min.

18 SEPTEMBER 1970

11.5 µm

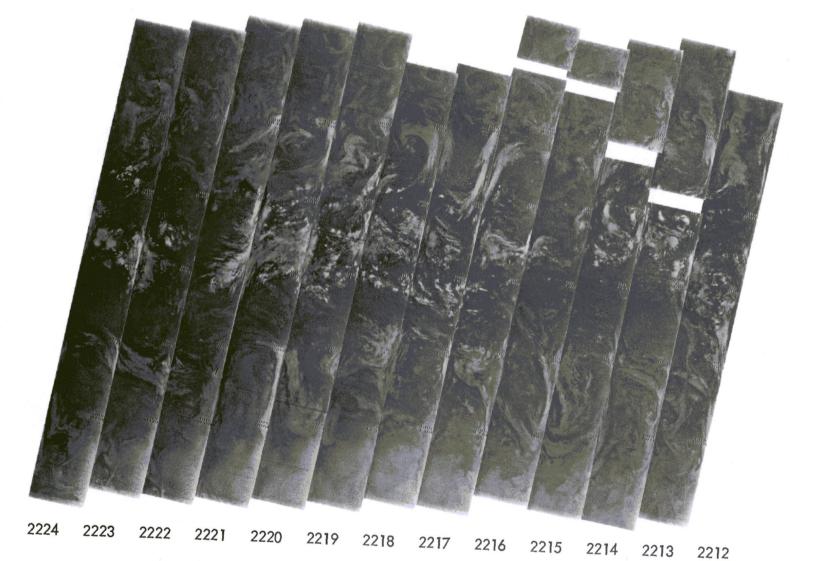


 $6.7~\mu m$

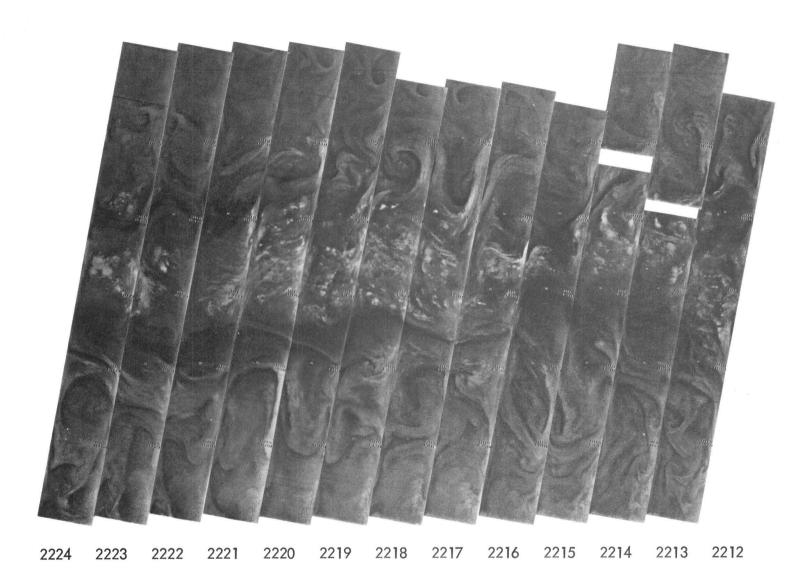


min.

19 SEPTEMBER 1970

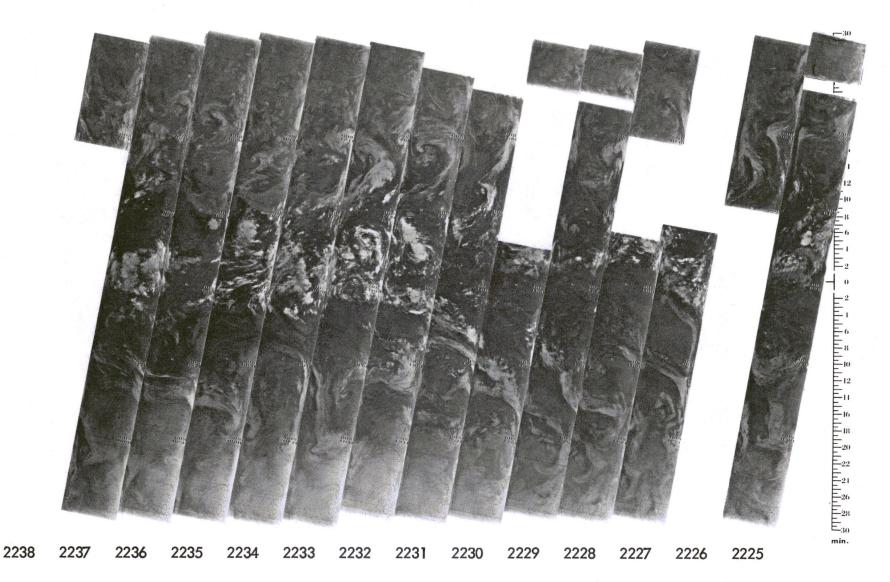


20 SEPTEMBER 1970



20 SEPTEMBER 1970

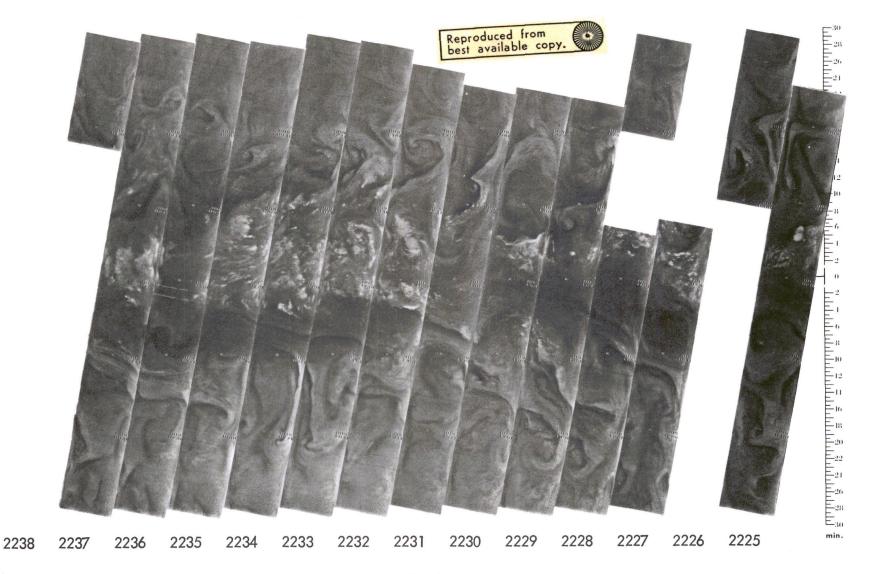
 $\textbf{6.7}~\mu\text{m}$



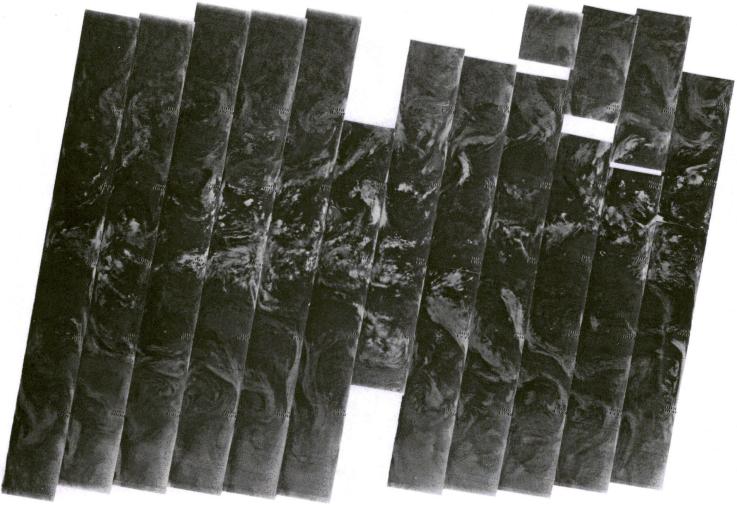
21 SEPTEMBER 1970

 $11.5\;\mu\text{m}$

min.



21 SEPTEMBER 1970

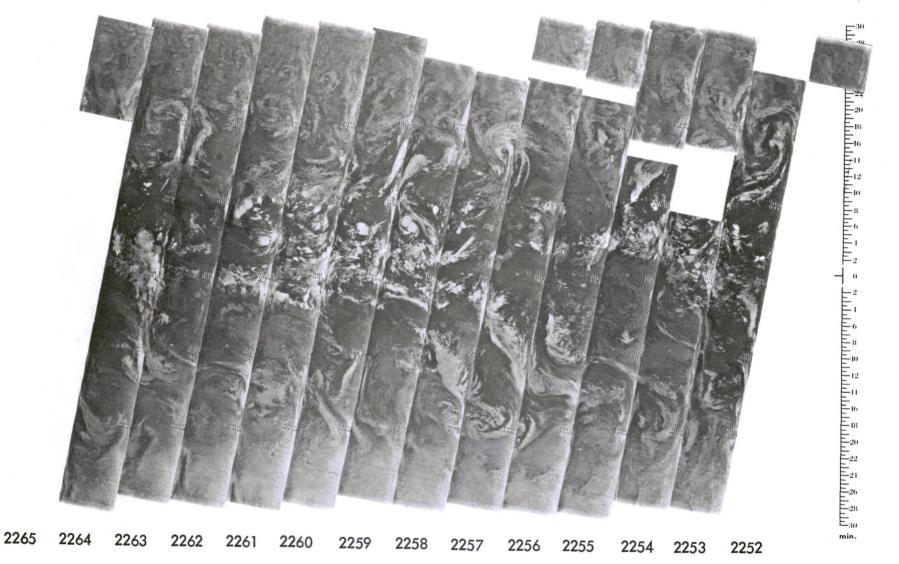


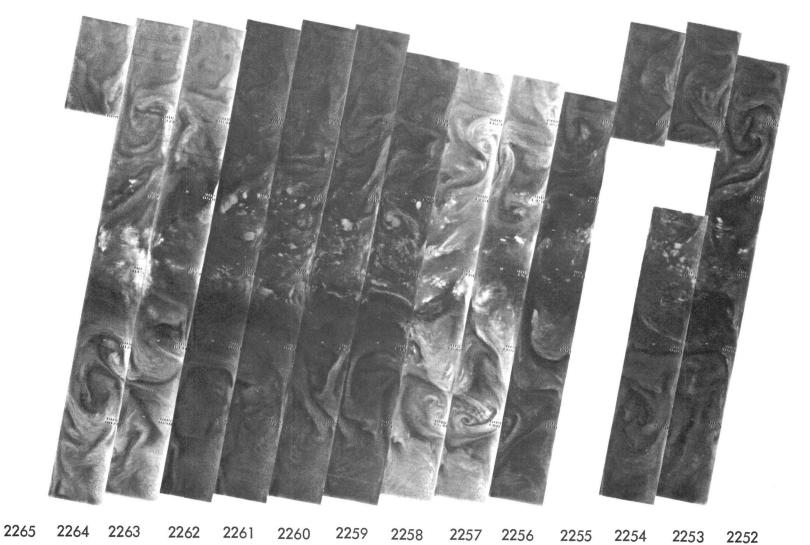
22 SEPTEMBER 1970

2251 2250 2249 2248 2247 2246 2245 2244 2243 2242 2241 2240 2239

22 SEPTEMBER 1970

min.



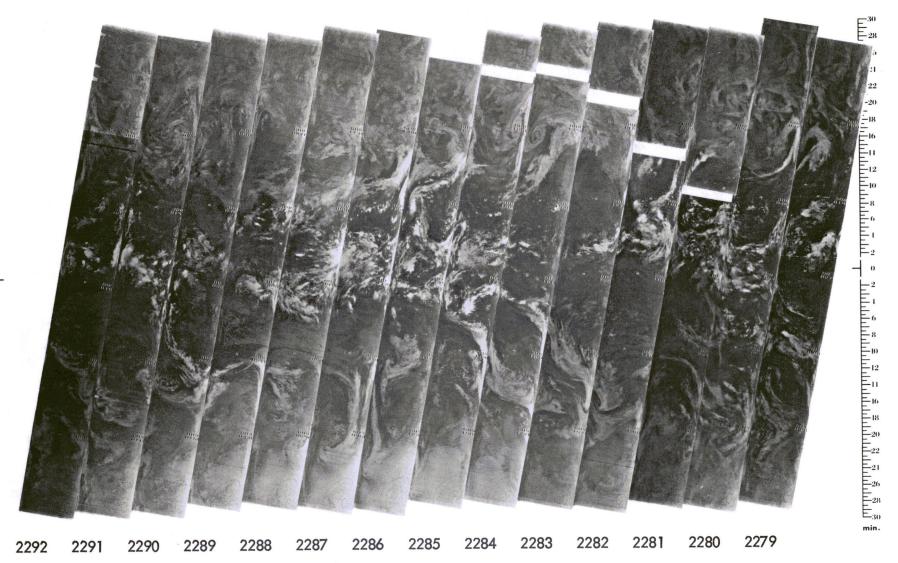


 $6.7~\mu m$

2278 2277 2276 2275 2274 2273 2272 2271 2270 2269 2268 2267 2266



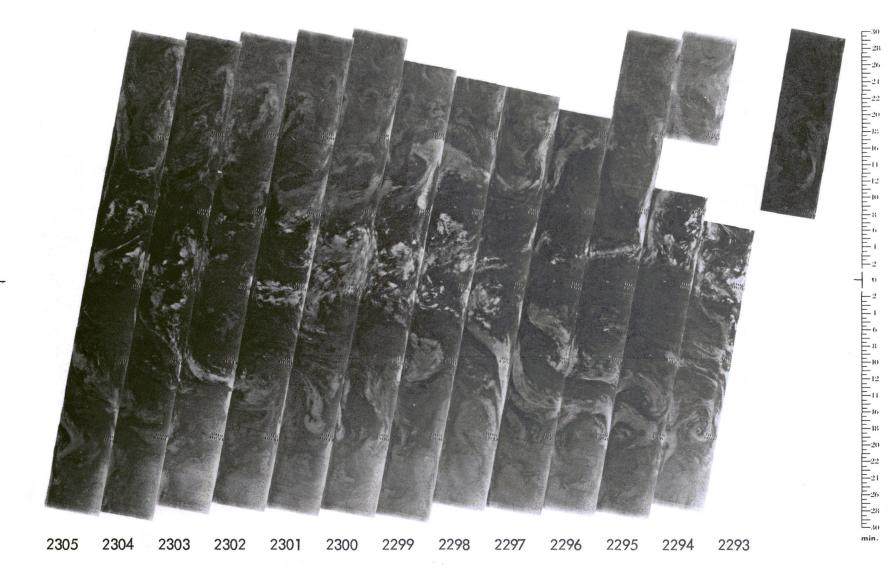
2278 2277 2276 2275 2274 2273 2272 2271 2270 2269 2268 2267 2266

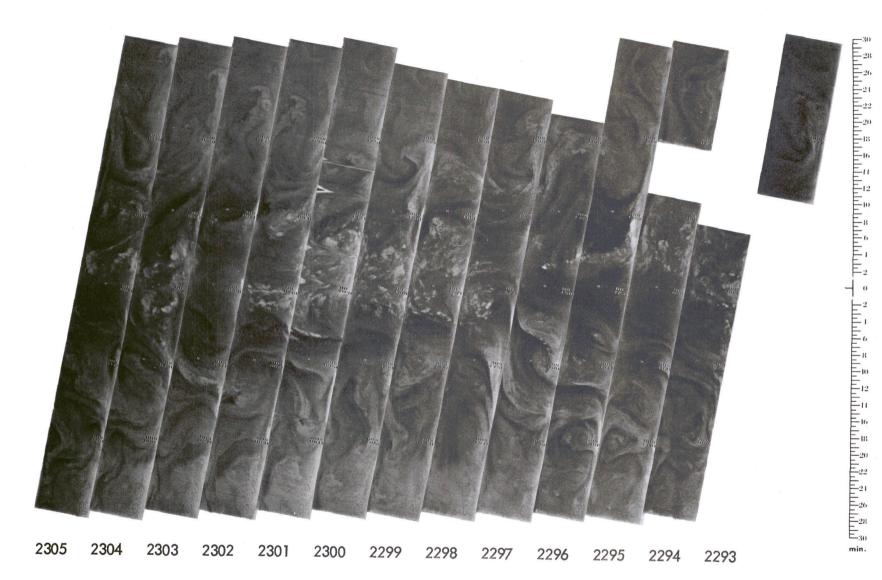


11.5 μm

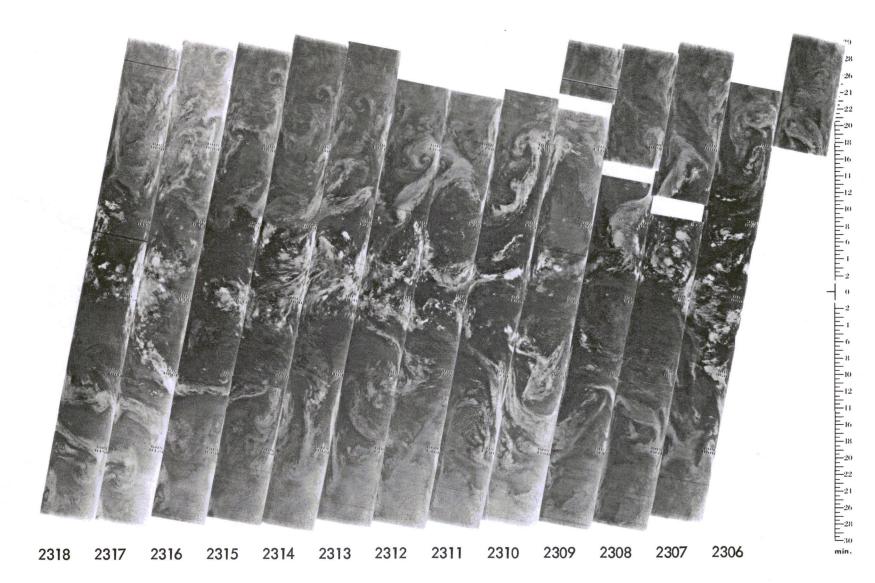
25 SEPTEMBER 1970

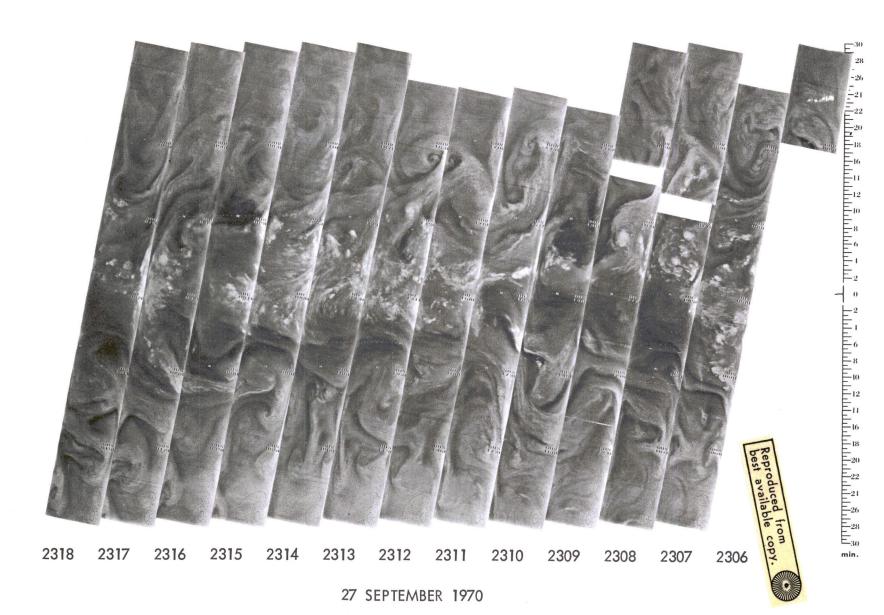
 $6.7~\mu m$





 $6.7~\mu\text{m}$

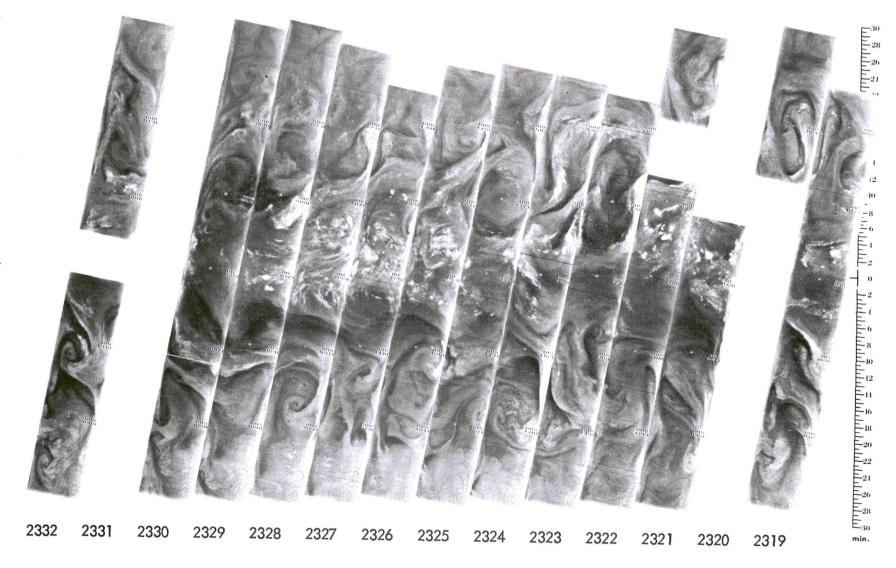




 $6.7~\mu\text{m}$

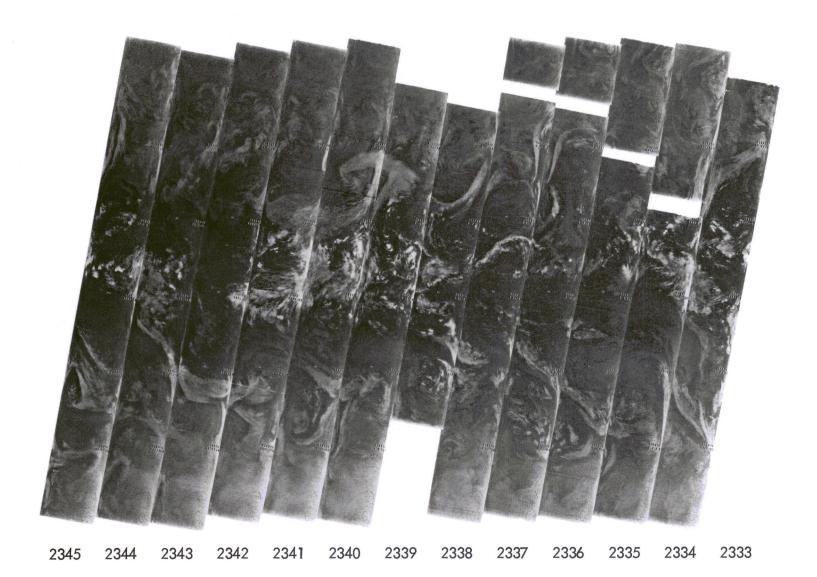
28 SEPTEMBER 1970

11.5 µm

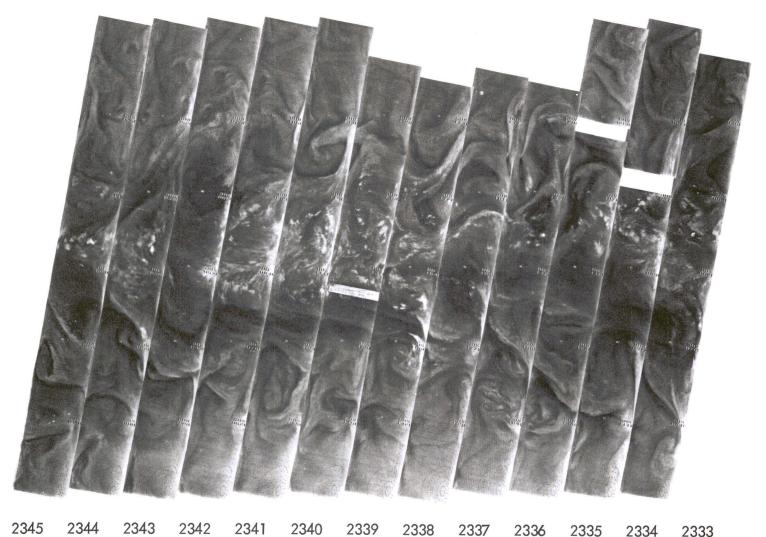


28 SEPTEMBER 1970

 $6.7~\mu m$

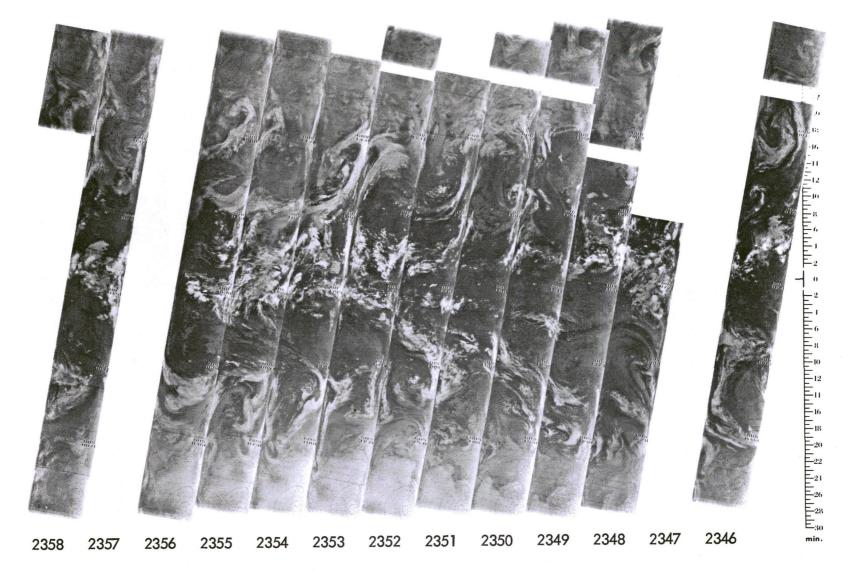


11.5 µm



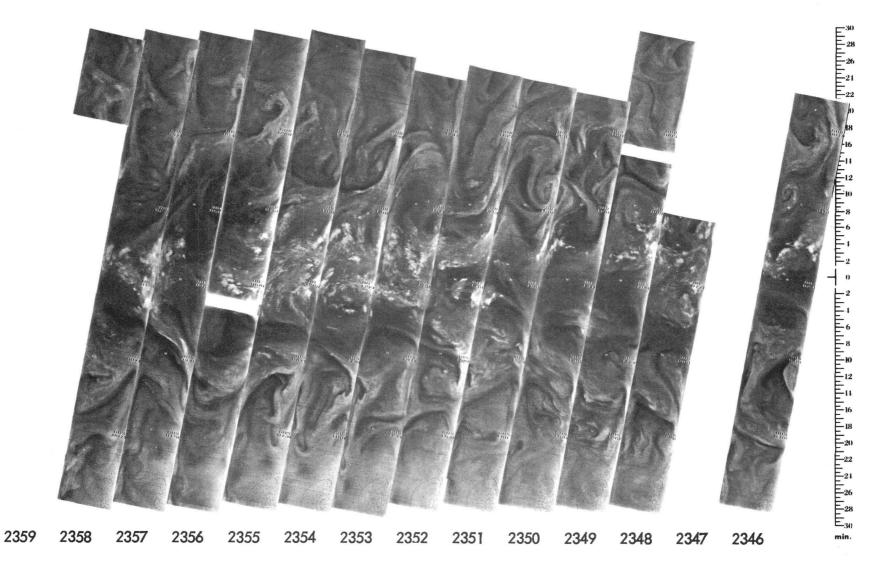
min.

29 SEPTEMBER 1970



30 SEPTEMBER 1970

11.5 µm

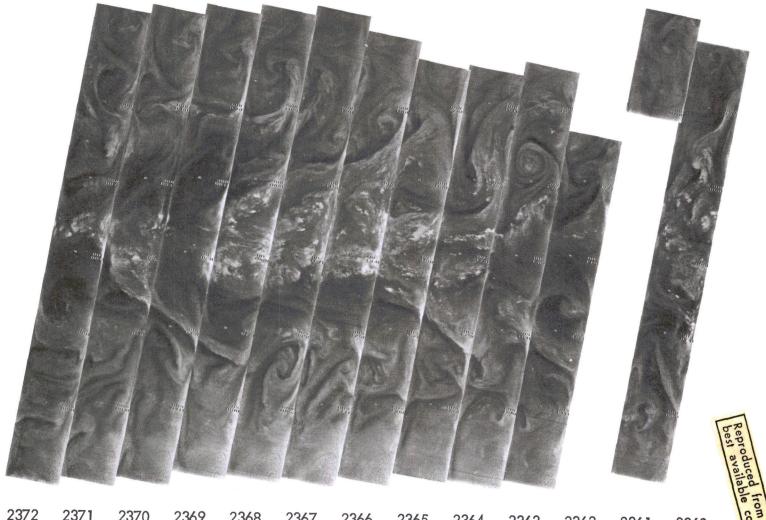


30 SEPTEMBER 1970

 $6.7~\mu m$

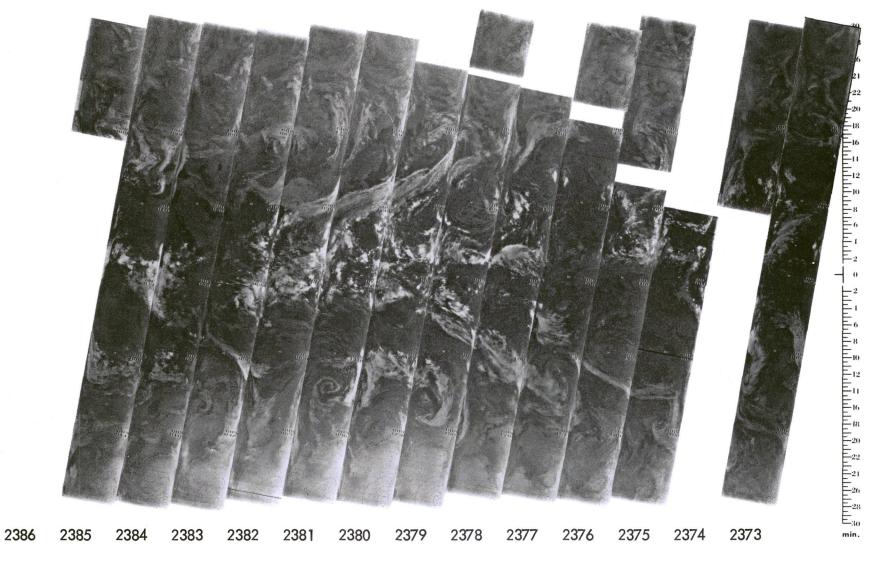
1 OCTOBER 1970

11.5 µm



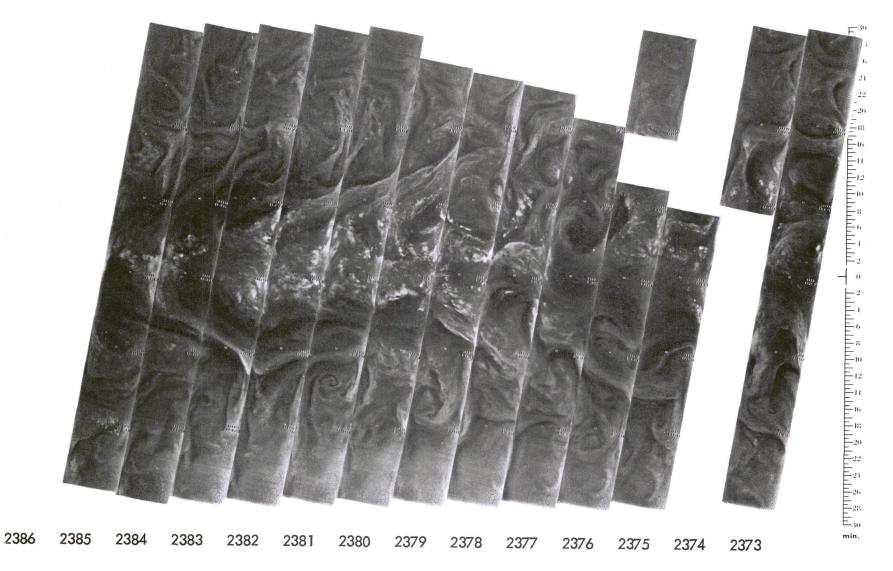
1 OCTOBER 1970

6.7 µm



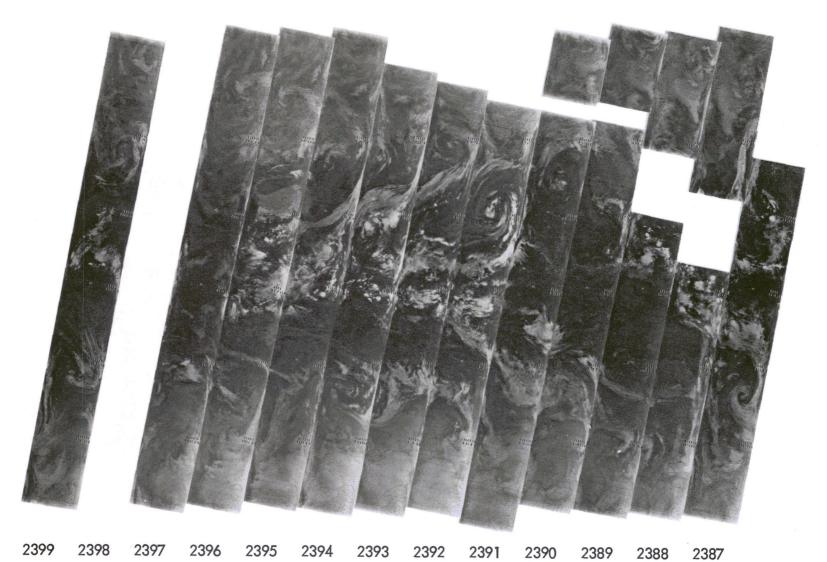
2 OCTOBER 1970

11.5 µm

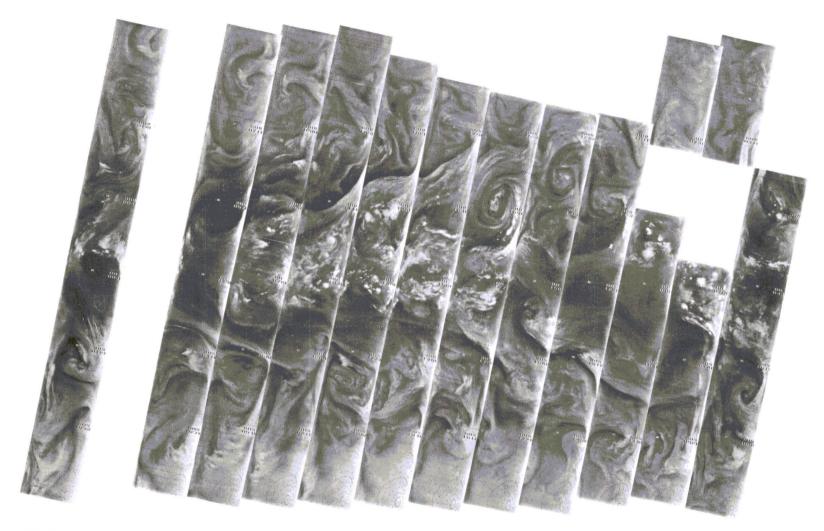


2 OCTOBER 1970

 $6.7~\mu m$

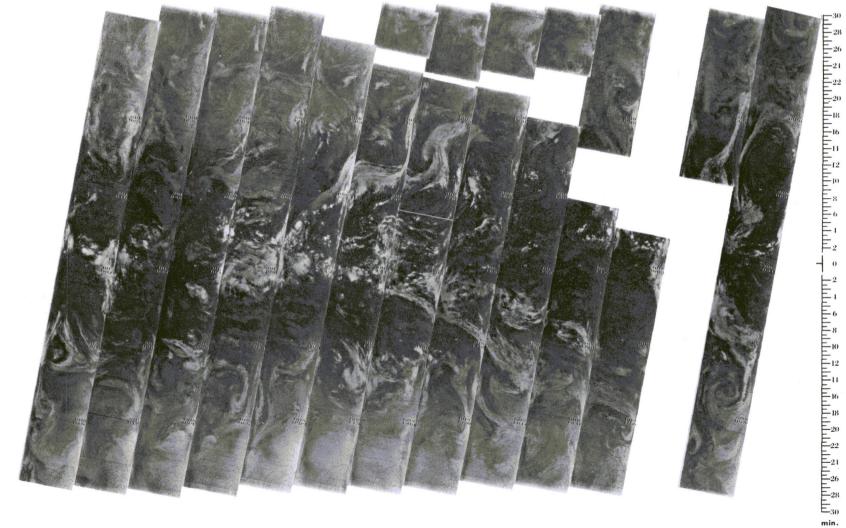


11.5 µm



2399 2398 2397 2396 2395 2394 2393 2392 2391 2390 2389 2388 2387

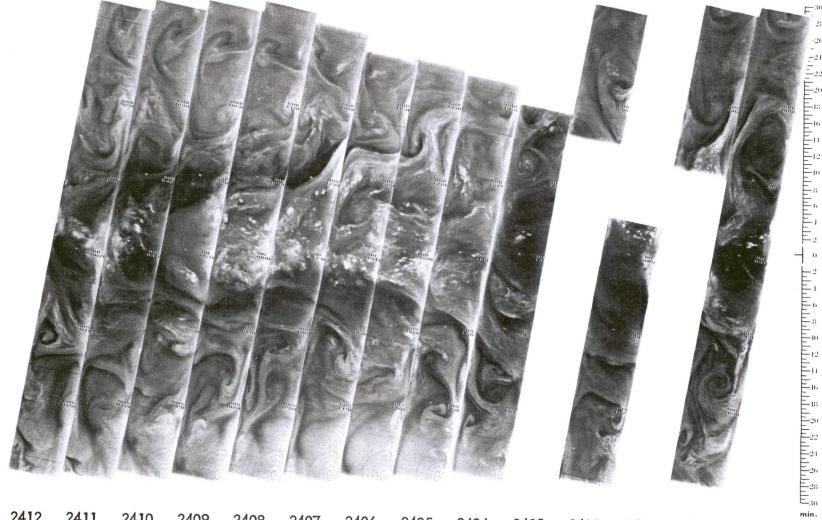
3 OCTOBER 1970



2412 2411 2410 2409 2408 2407 2406 2405 2404 2403 2402 2401 2400

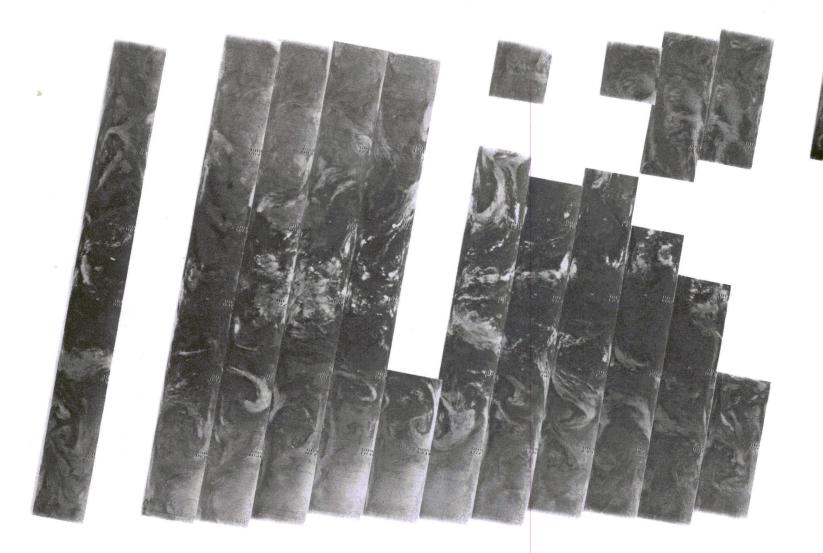
4 OCTOBER 1970

11.5 μm



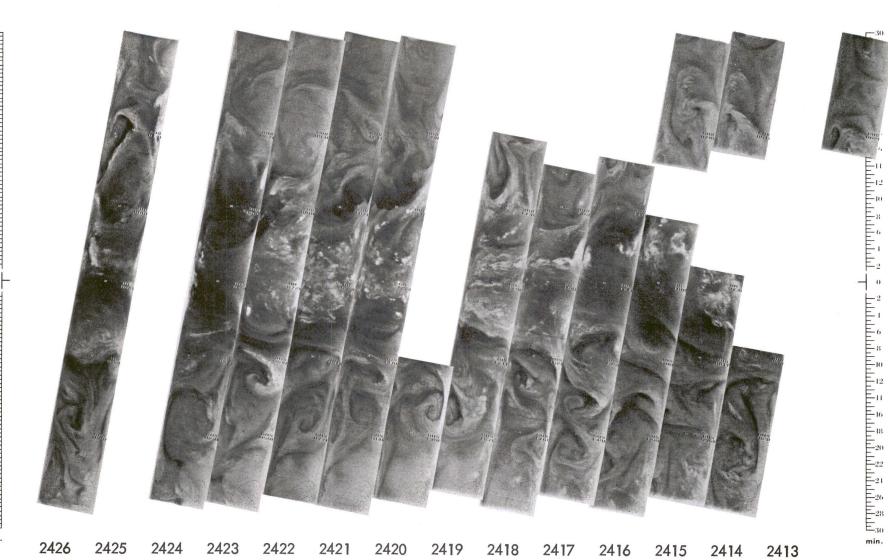
2412 2411 2410 2409 2408 2407 2406 2405 2404 2403 2402 2401 2400

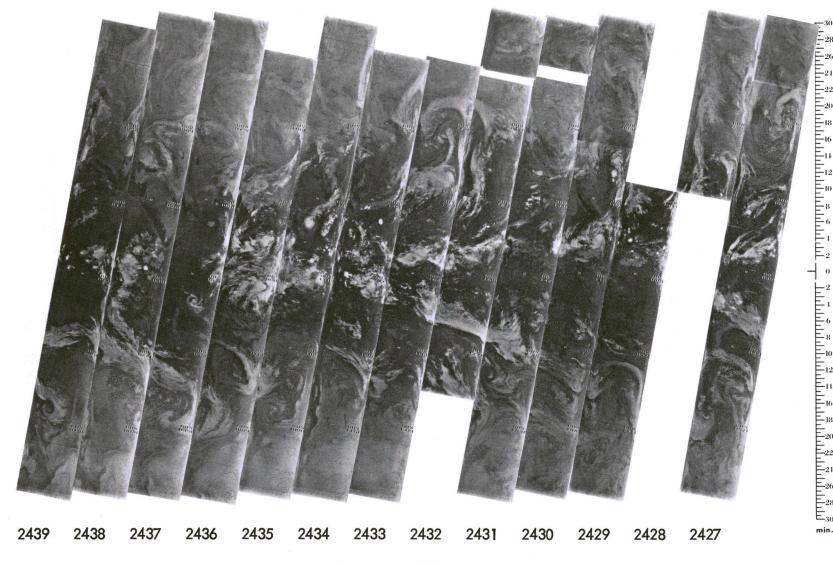
4 OCTOBER 1970



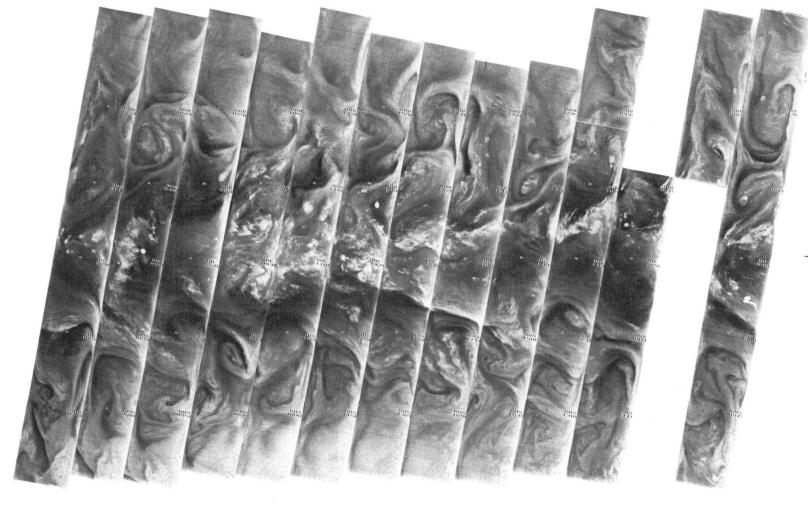
5 OCTOBER 1970

11.5 µm





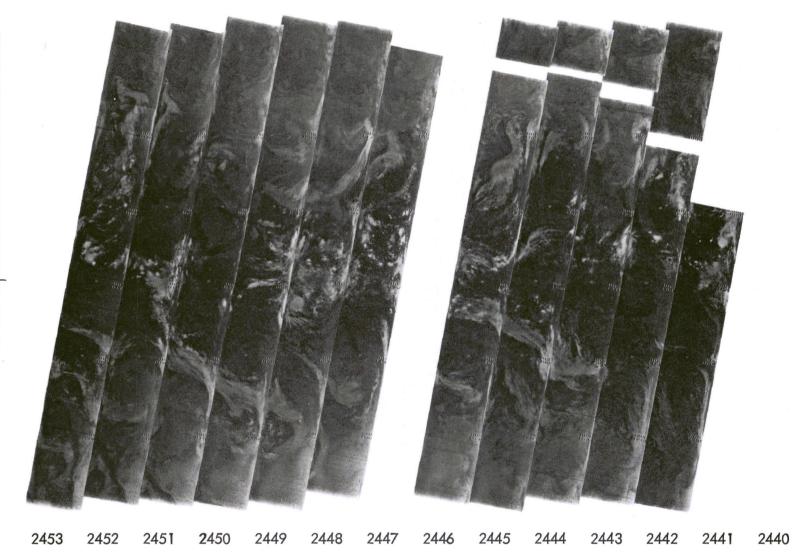
11.5 µm



min.

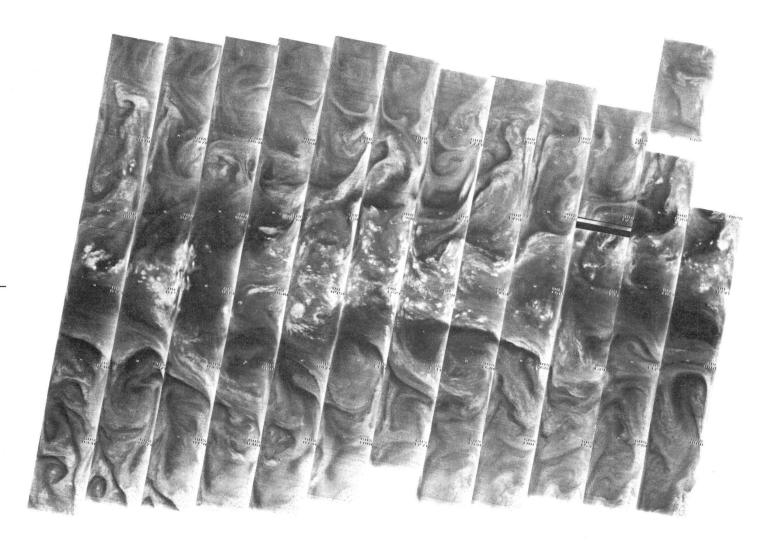
2439 2438 2437 2436 2435 2434 2433 2432 2431 2430 2429 2428 2427

6 OCTOBER 1970



7 OCTOBER 1970

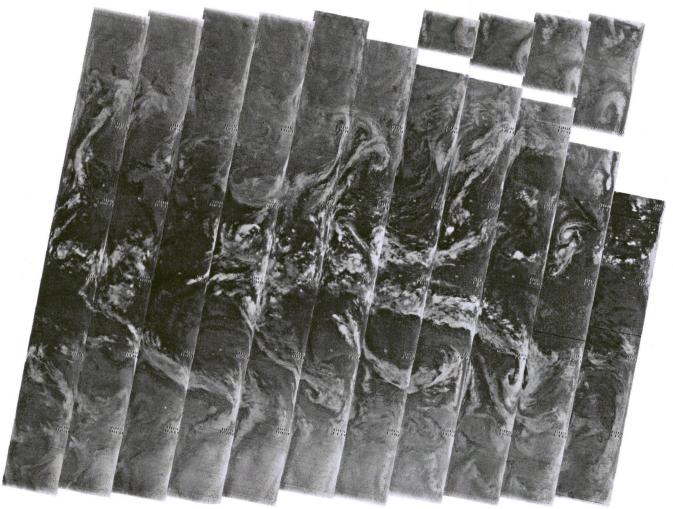
11.5 µm



2453 2452 2451 2450 2449 2448 2447 2446 2445 2444 2443 2442 2441 2440

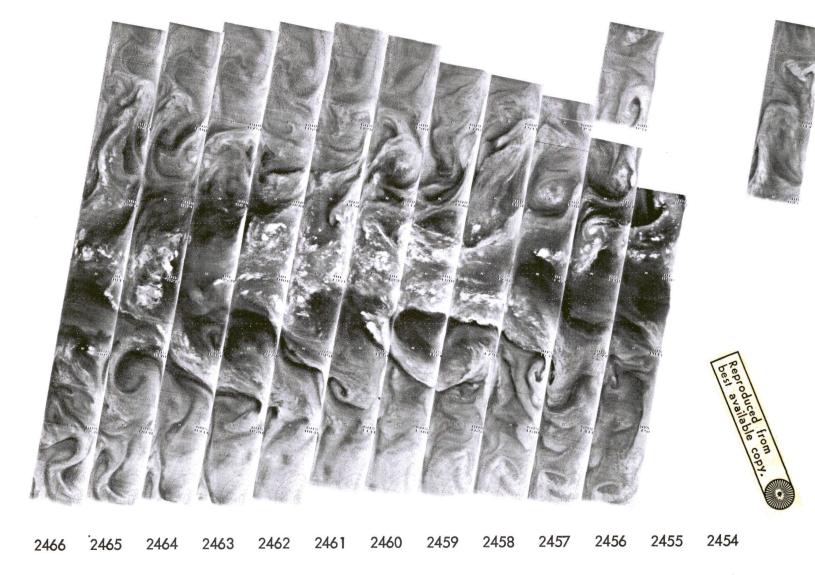
7 OCTOBER 1970

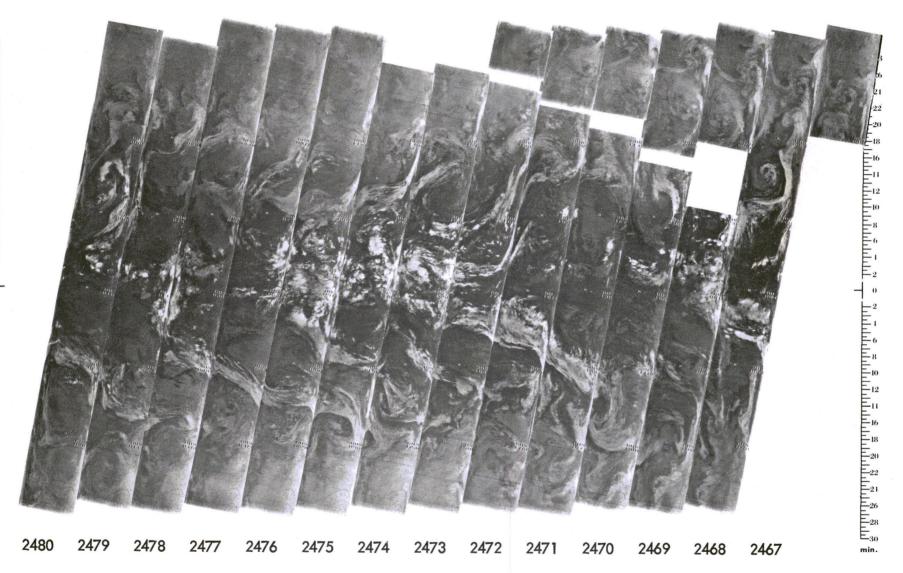
 $6.7~\mu\text{m}$



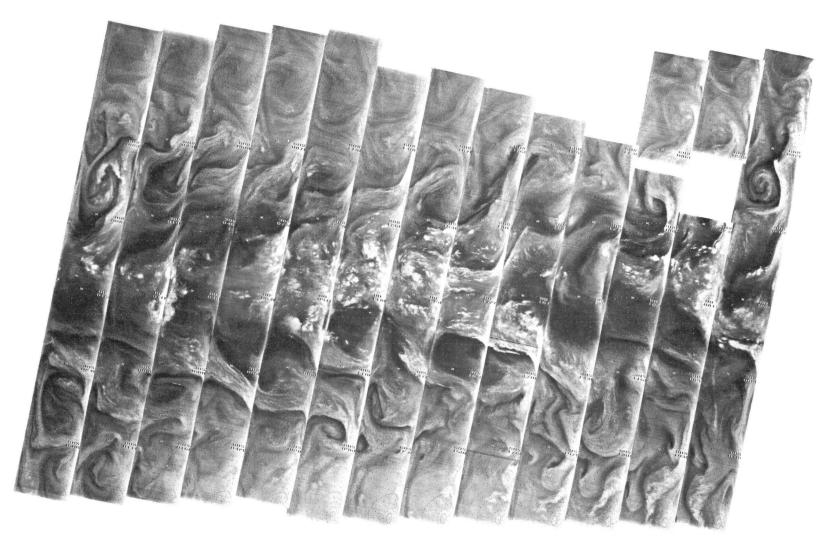
2466 2465 2464 2463 2462 2461 2460 2459 2458 2457 2456 2455 2454 8 OCTOBER 1970

11.5 µm



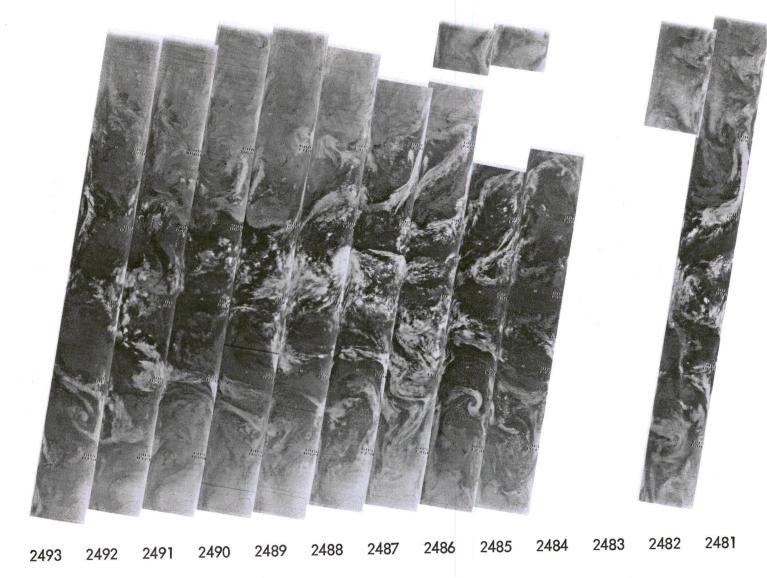


 $11.5\;\mu\text{m}$



2480 2479 2478 2477 2476 2475 2474 2473 2472 2471 2470 2469 2468 2467

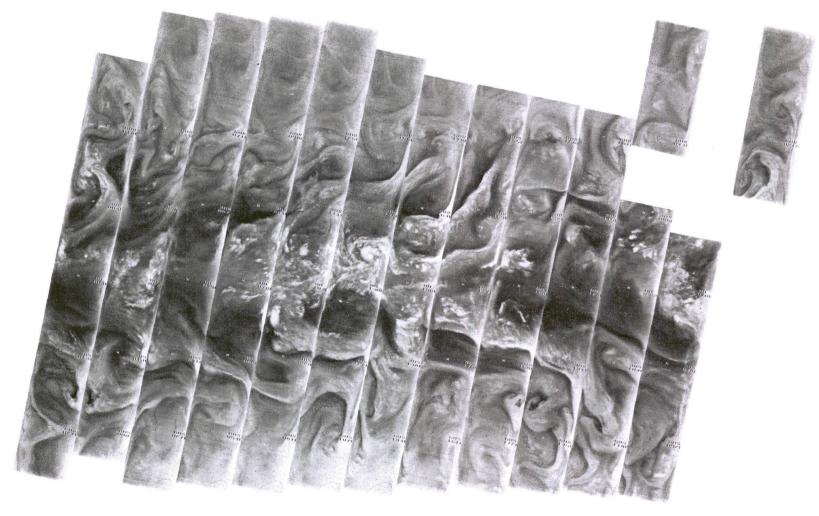
9 OCTOBER 1970



min.

10 OCTOBER 1970

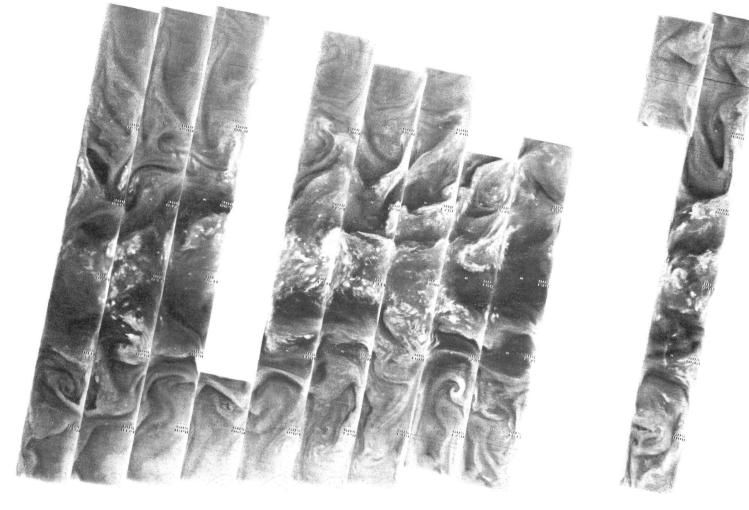
11.5 μm



10 OCTOBER 1970

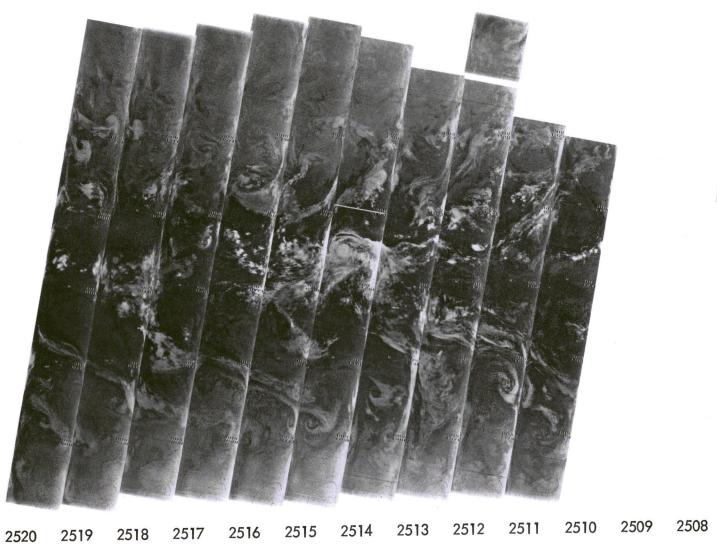
min.

11.5 μm



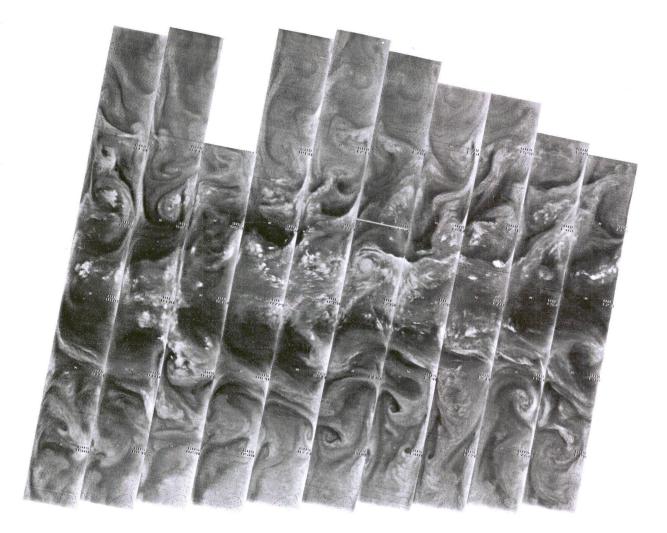
2506 2505 2504 2503 2502 2501 2500 2499 2498 2497 2496 2495 2494

 $6.7~\mu\text{m}$



12 OCTOBER 1970

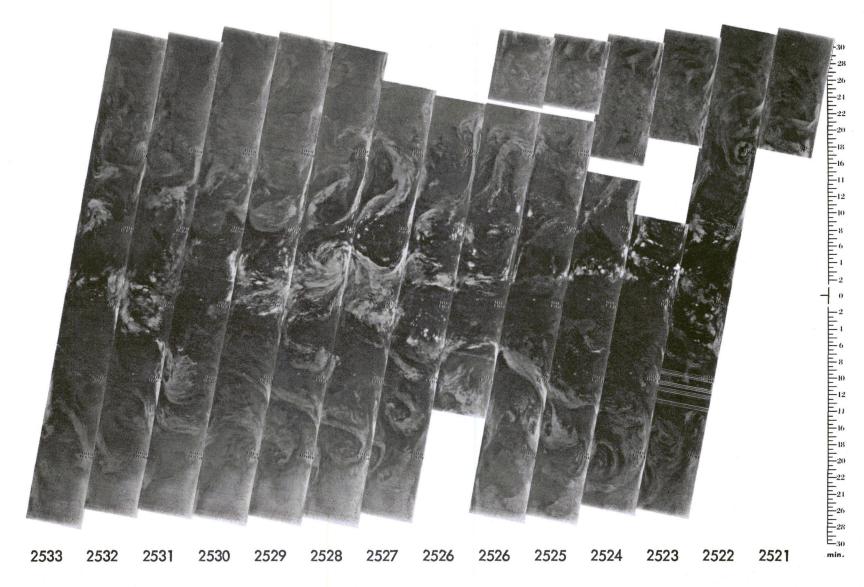
11.5 µm



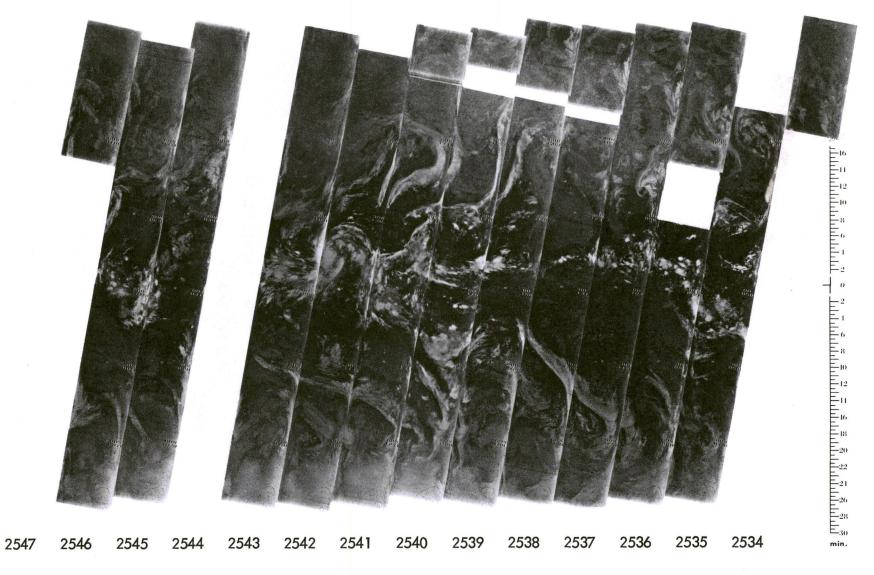
2520 2519 2518 2517 2516 2515 2514 2513 2512 2511 2510 2509 2508 2507

min.

12 OCTOBER 1970

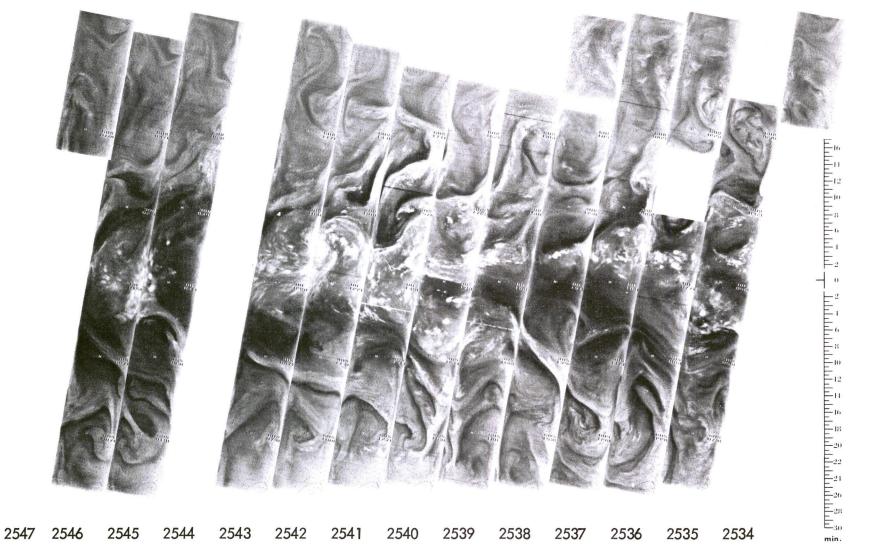


11.5 µm



14 OCTOBER 1970

11.5 μm

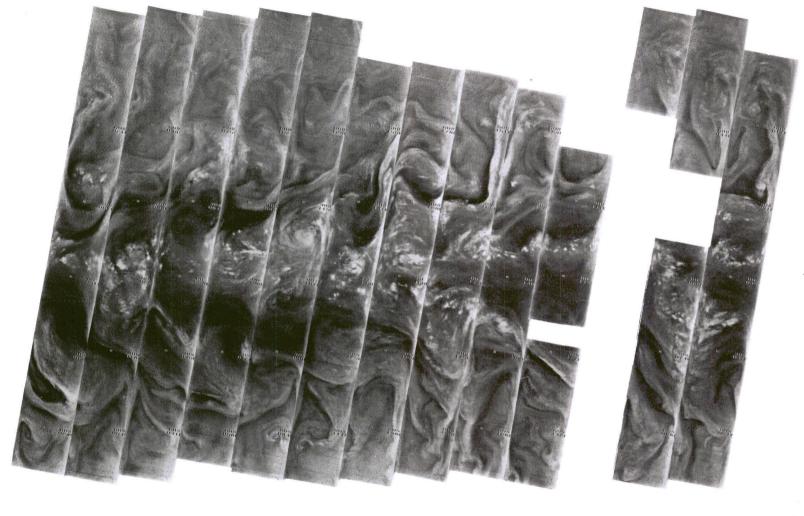


 $6.7~\mu\text{m}$

15 OCTOBER 1970

min.

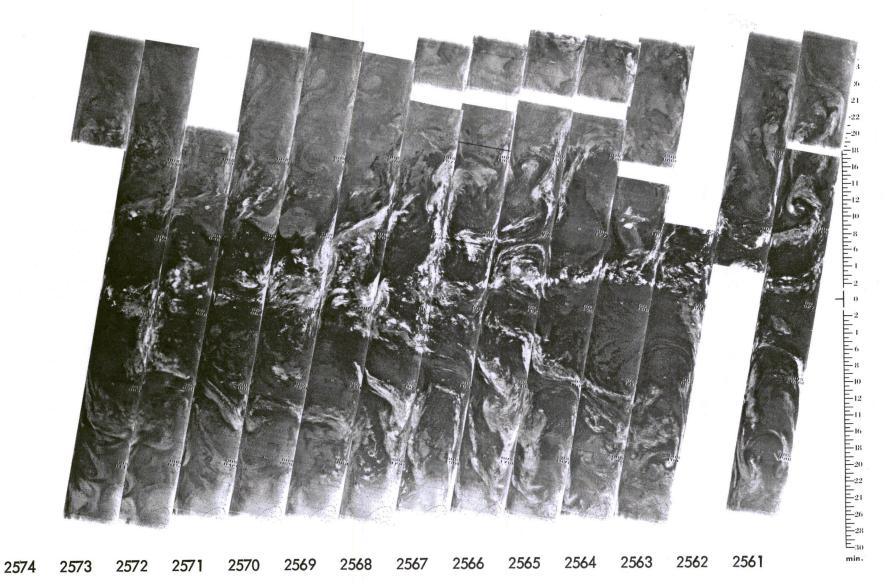
11.5 µm



2560 2559 2558 2557 2556 2555 2554 2553 2552 2551 2550 2549 2548

15 OCTOBER 1970

min.



11.5 μm

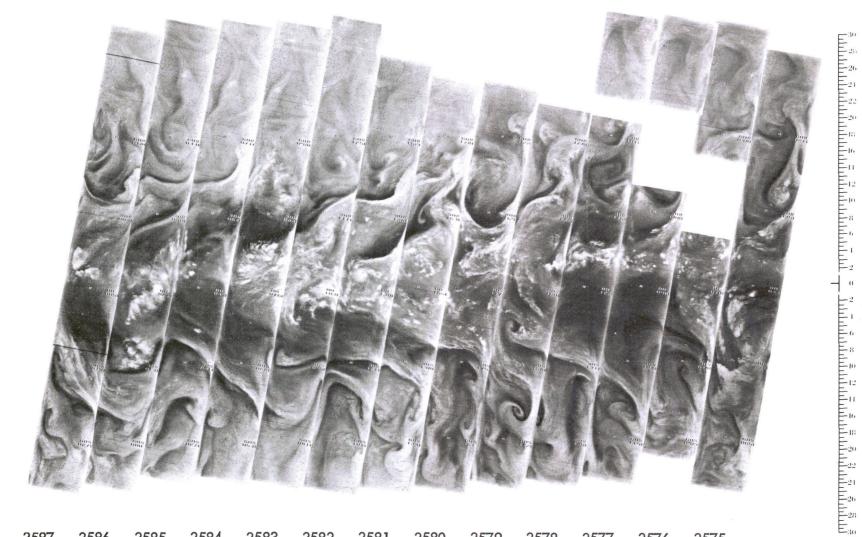


2574 2573 2572 2571 2570 2569 2568 2567 2566 2565 2564 2563 2562 2561

16 OCTOBER 1970

17 OCTOBER 1970

11.5 µm

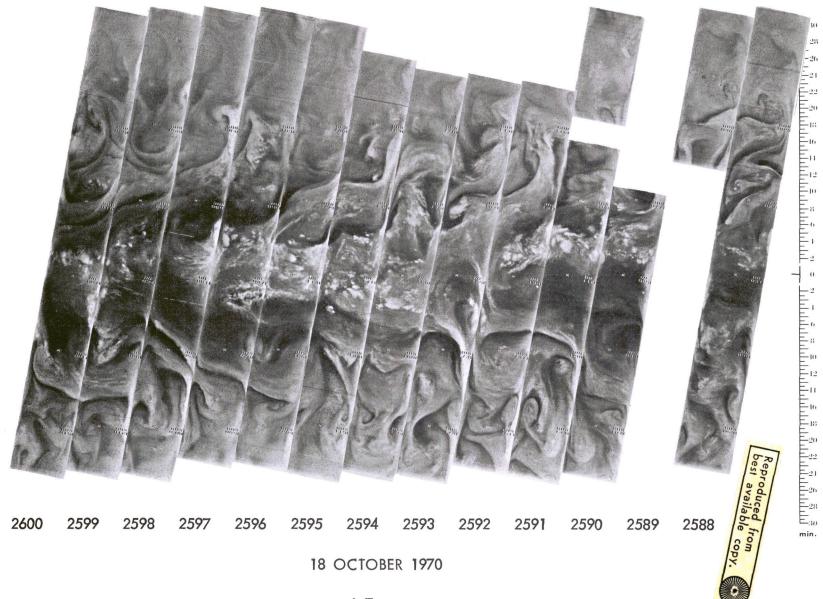


17 OCTOBER 1970

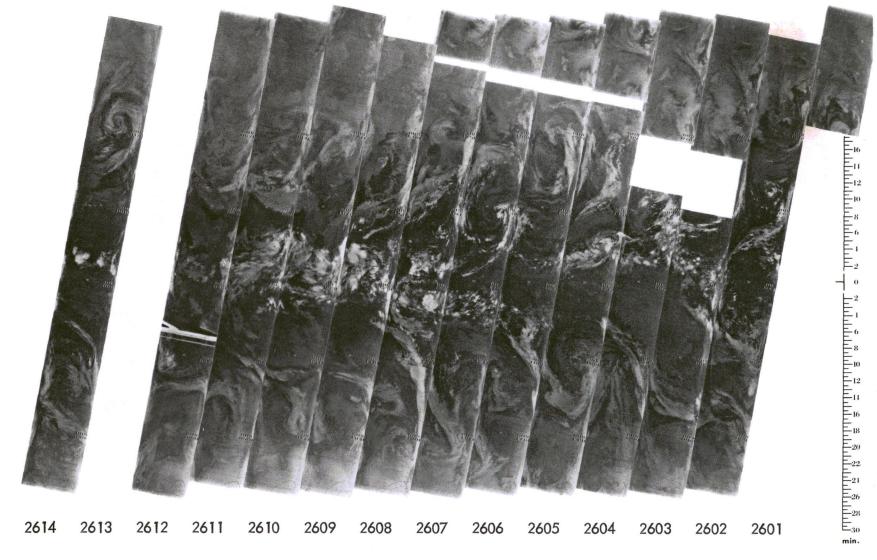
min.

18 OCTOBER 1970

11.5 µm

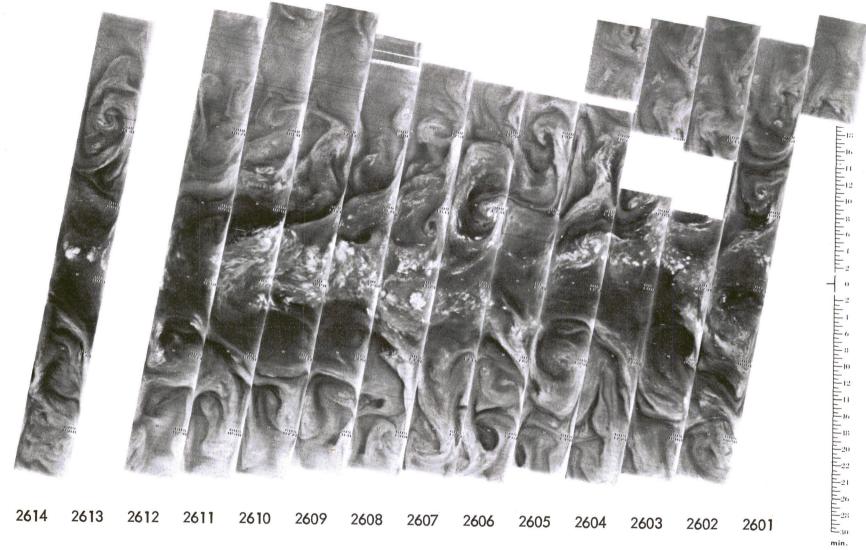


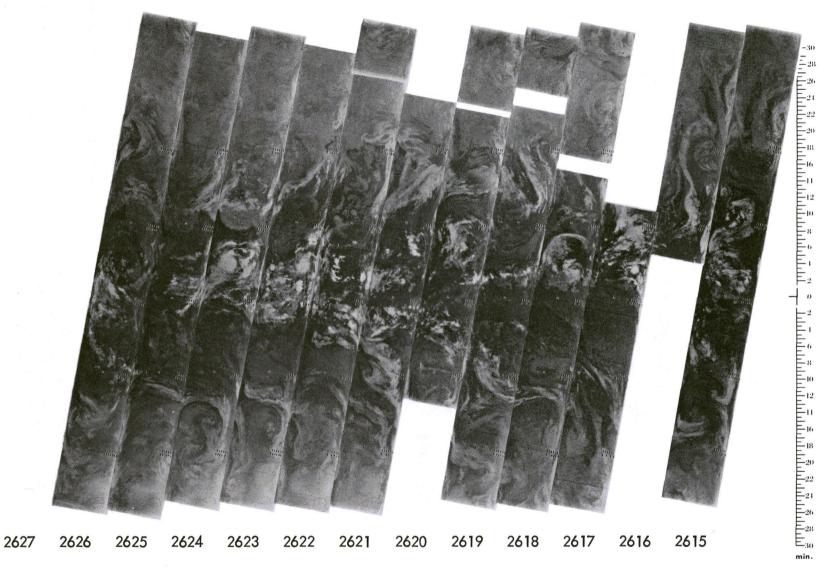
6.7 µm



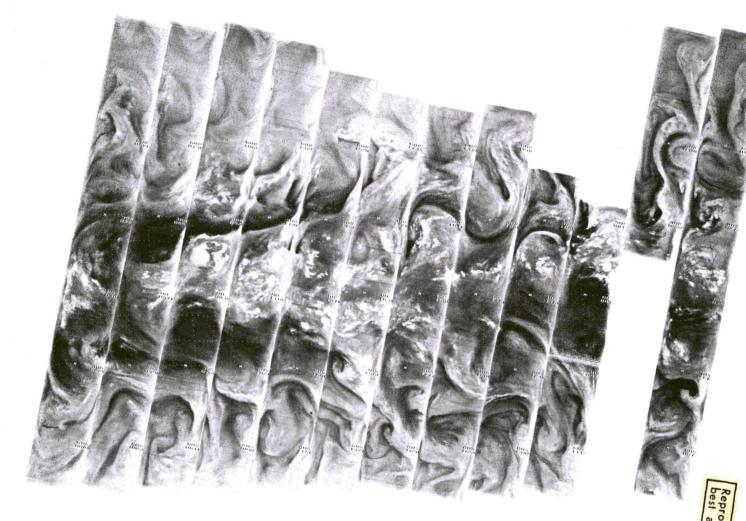
19 OCTOBER 1970

 $\textbf{11.5}~\mu\text{m}$



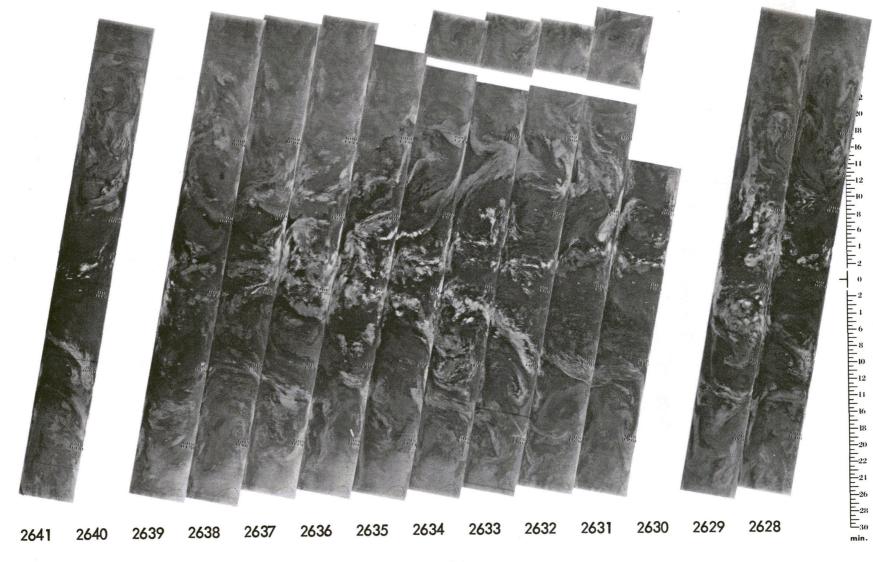


11.5 μm



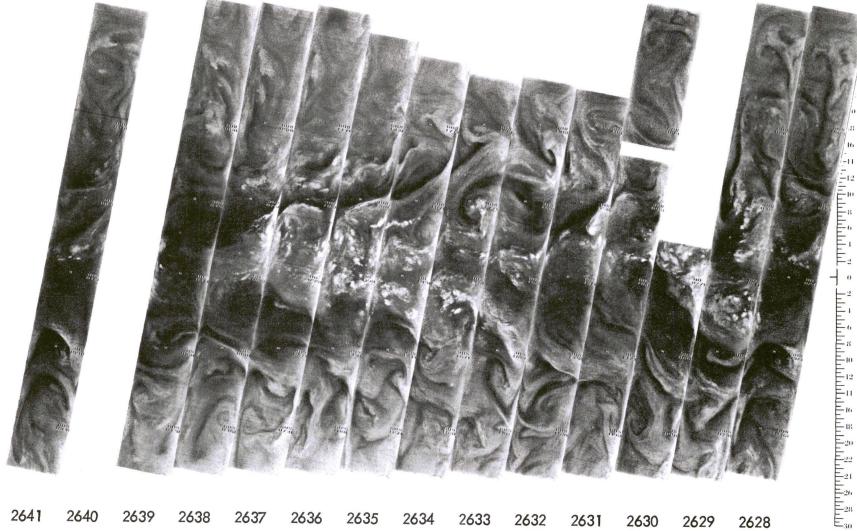
2627 2626 2625 2624 2623 2622 2621 2620 2619 2618 2617 2616 2615

20 OCTOBER 1970



21 OCTOBER 1970

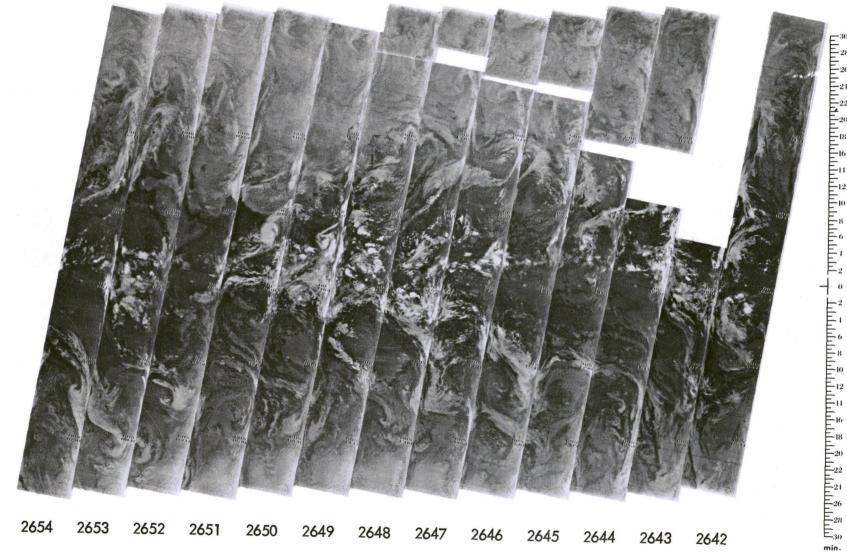
11.5 µm



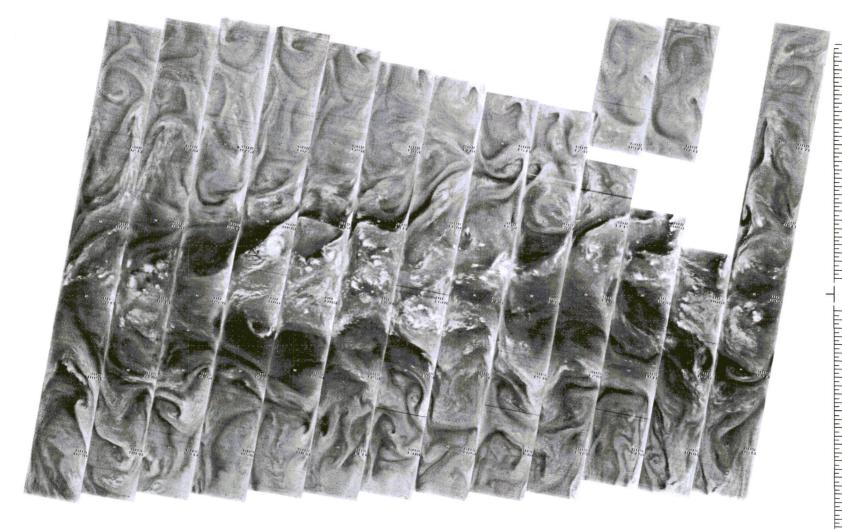
min.

21 OCTOBER 1970

6.7 µm



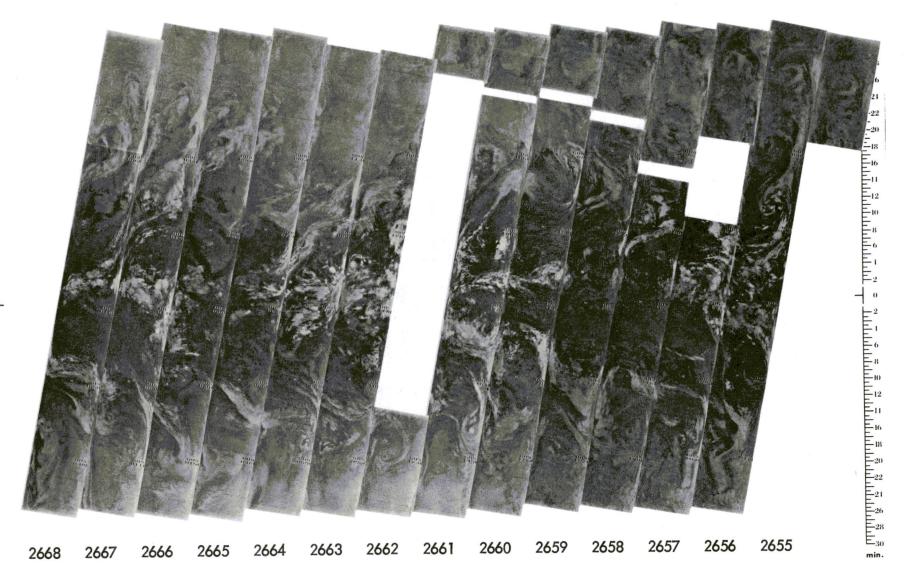
22 OCTOBER 1970



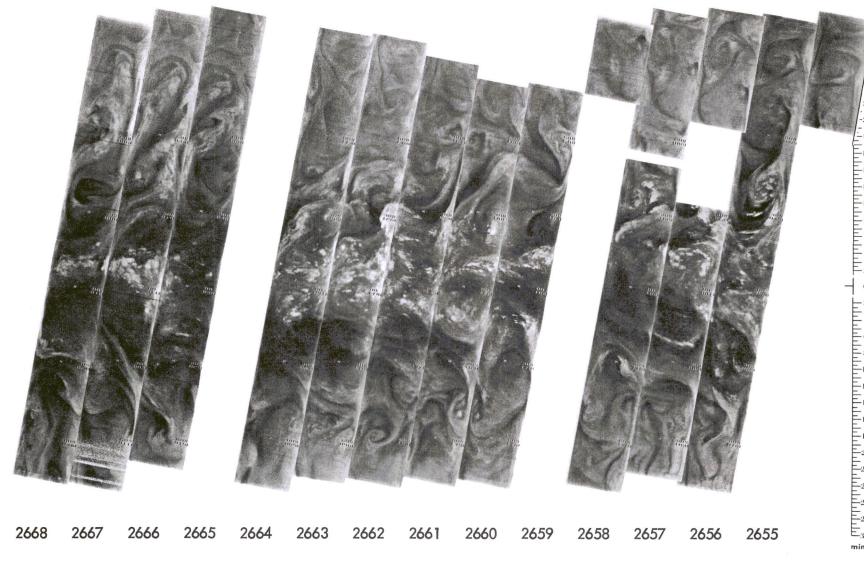
22 OCTOBER 1970

min.

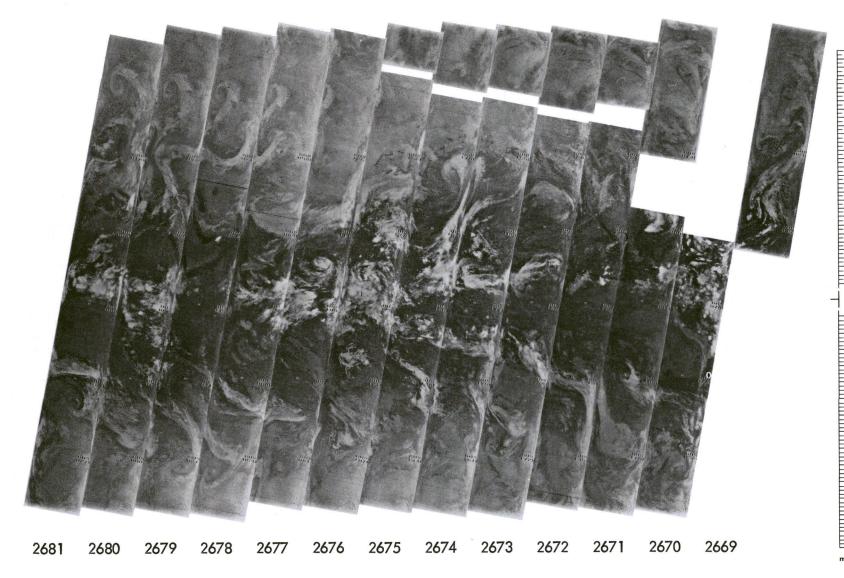
 $6.7~\mu m$



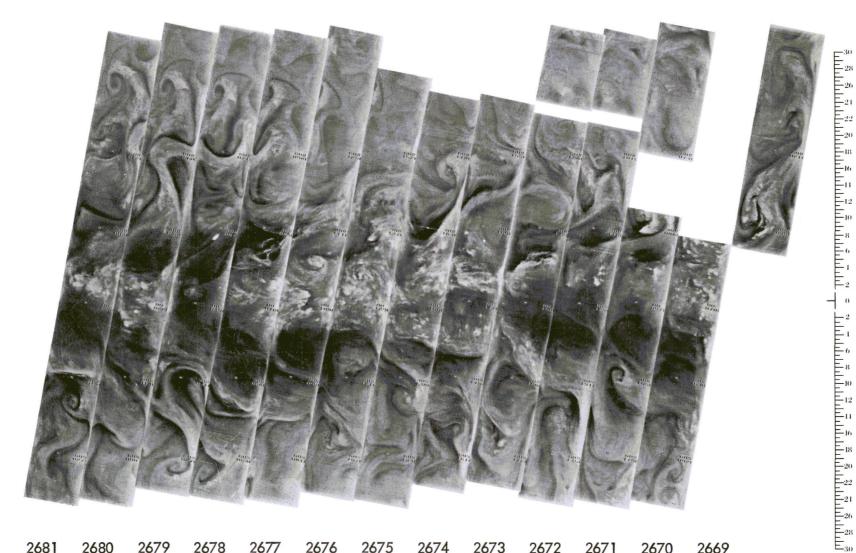
11.5 µm



 $6.7~\mu m$



11.5 μm



24 OCTOBER 1970

min.

6.7 µm

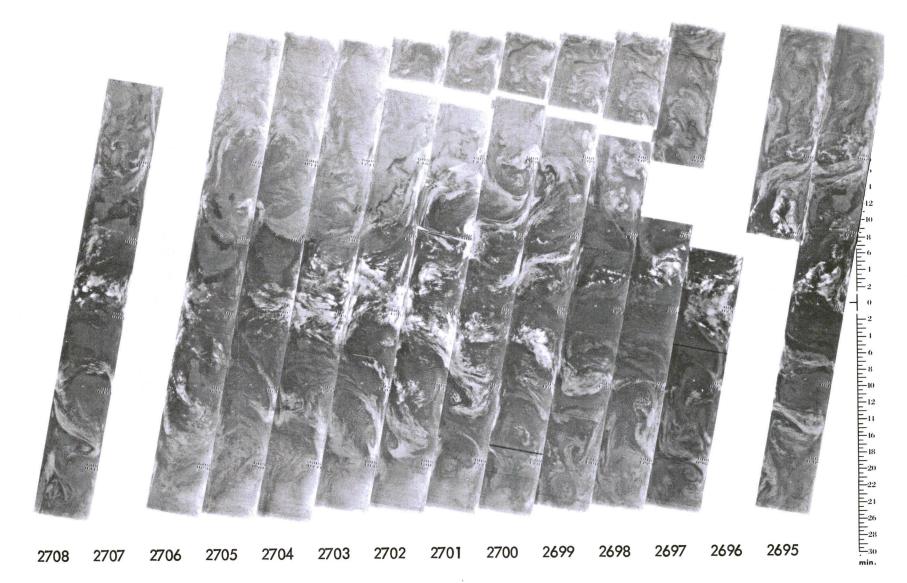
25 OCTOBER 1970

11.5 μm

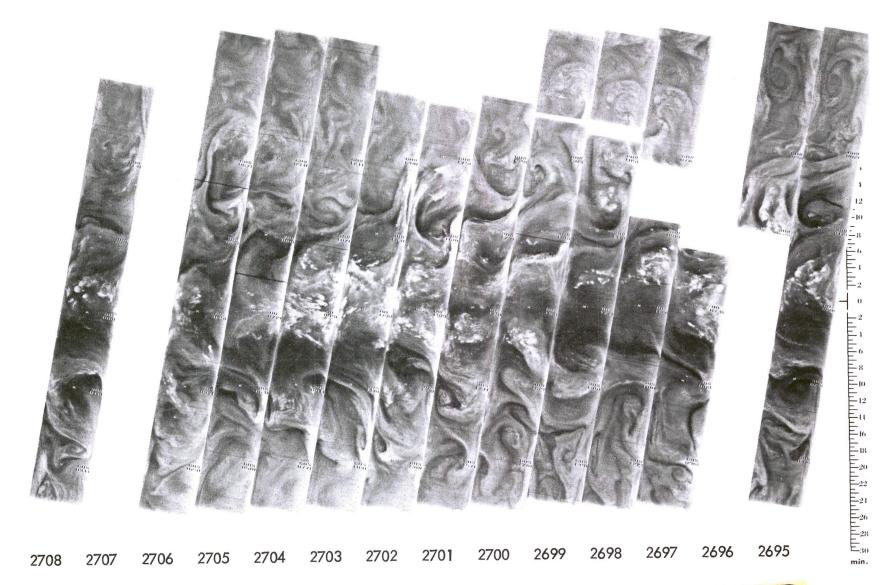


2694 2693 2692 2691 2690 2689 2688 2687 2686 2685 2684 2683 2682

 $6.7~\mu m$



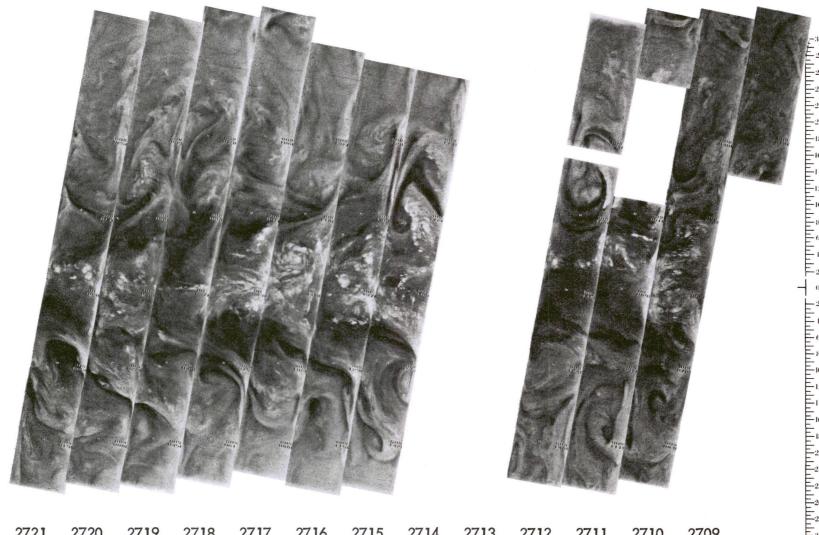
11.5 µm



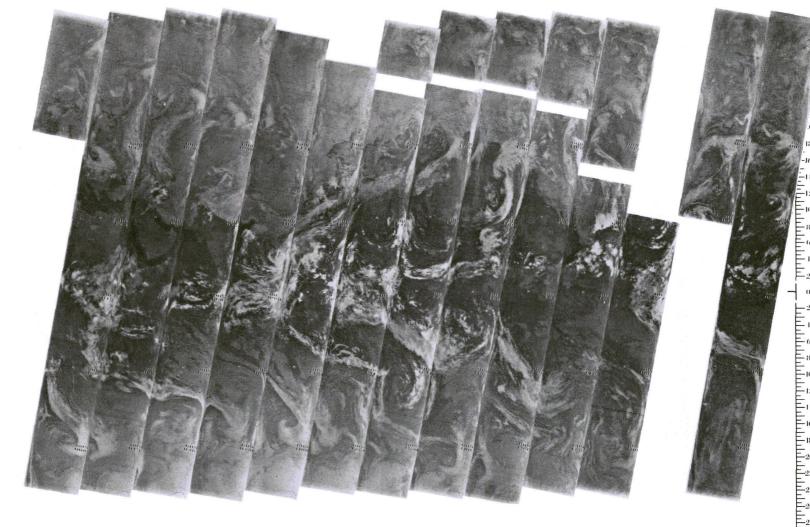
 $6.7~\mu\text{m}$



2721 2720 2719 2718 2717 2716 2715 2714 2713 2712 2711 2710 2709



 $6.7~\mu\text{m}$



2735 2734 2733 2732 2731 2730 2729 2728 2727 2726 2725 2724 2723 2722

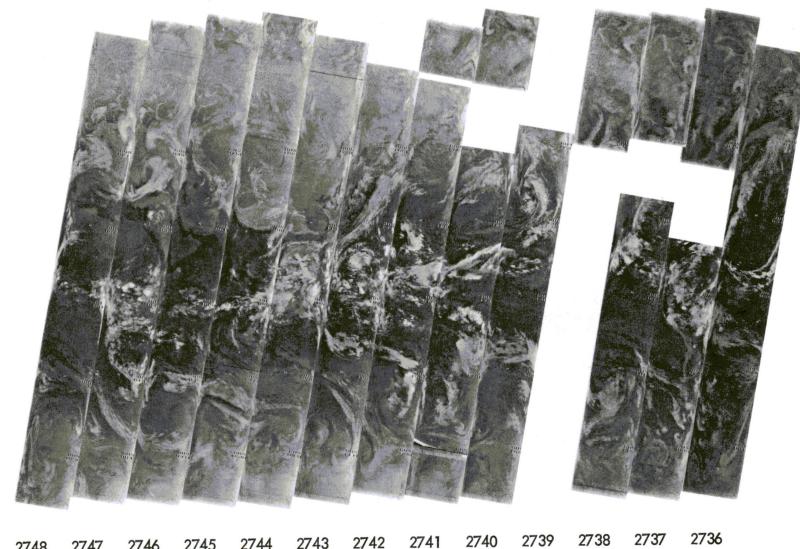
28 OCTOBER 1970

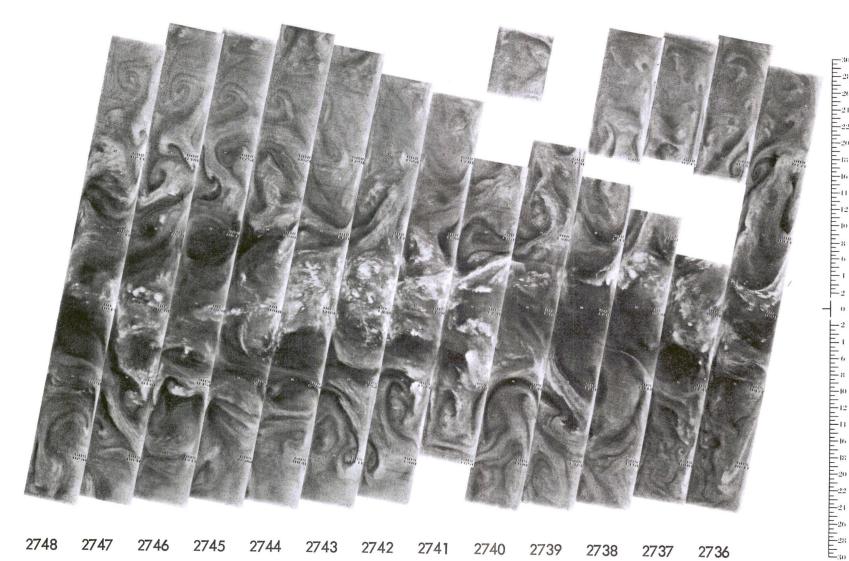


2735 2734 2733 2732 2731 2730 2729 2728 2727 2726 2725 2724 2723 2722

28 OCTOBER 1970

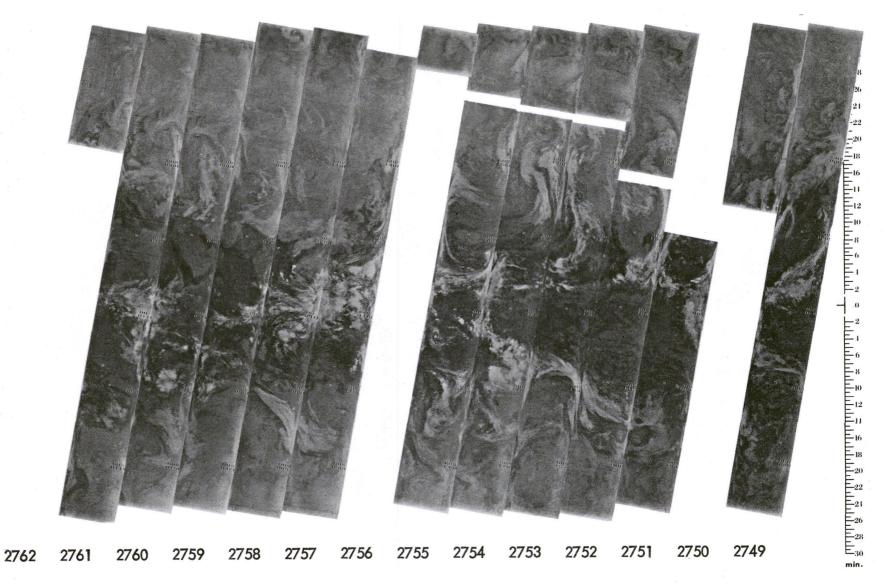
 $6.7~\mu\text{m}$





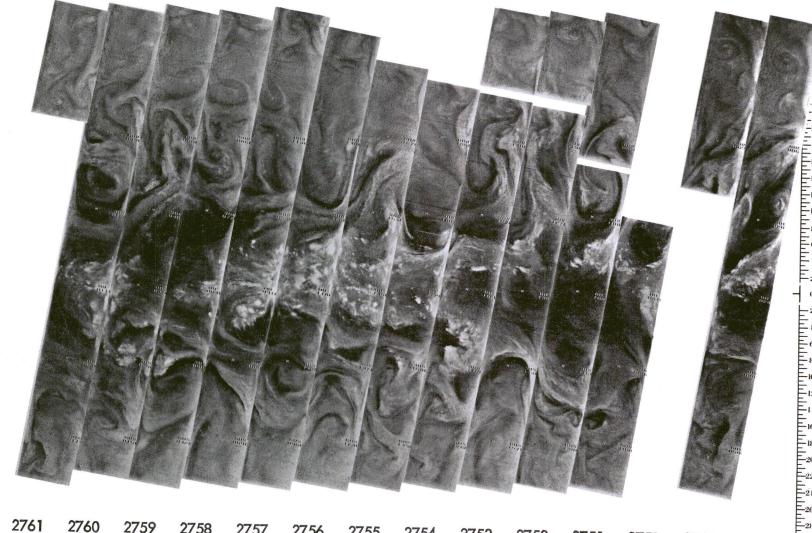
min.

 $6.7~\mu\text{m}$



30 OCTOBER 1970

11.5 µm



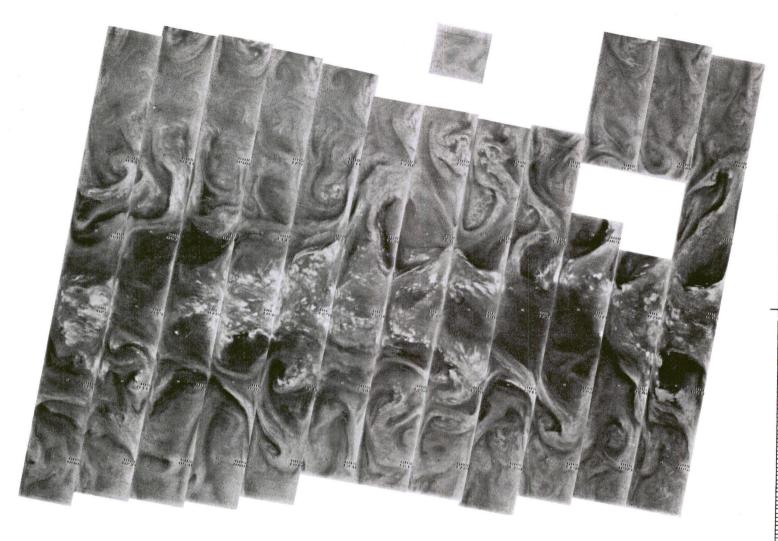
min.

30 OCTOBER 1970

 $6.7~\mu m$

2775 2774 2773 2772 2771 2770 2769 2768 2767 2766 2765 2764 2763

11.5 μm



min.

2775 2774 2773 2772 2771 2770 2769 2768 2767 2766 2765 2764 2763

31 OCTOBER 1970

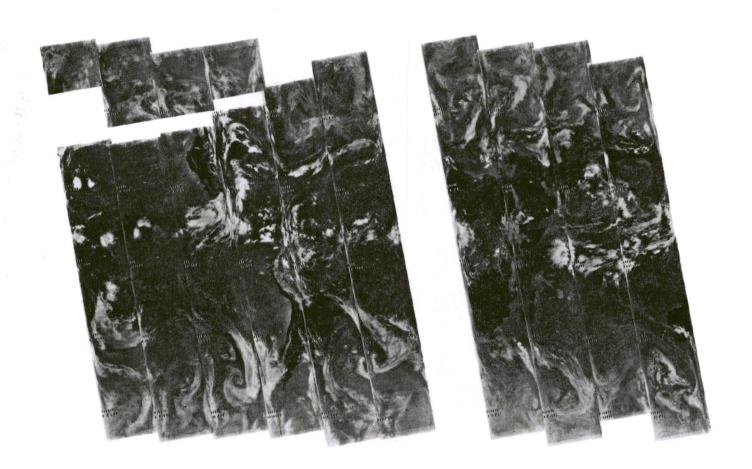
 $6.7~\mu\text{m}$

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SECTION 4.2 TEMPERATURE HUMIDITY INFRARED RADIOMETER DAYTIME MONTAGES

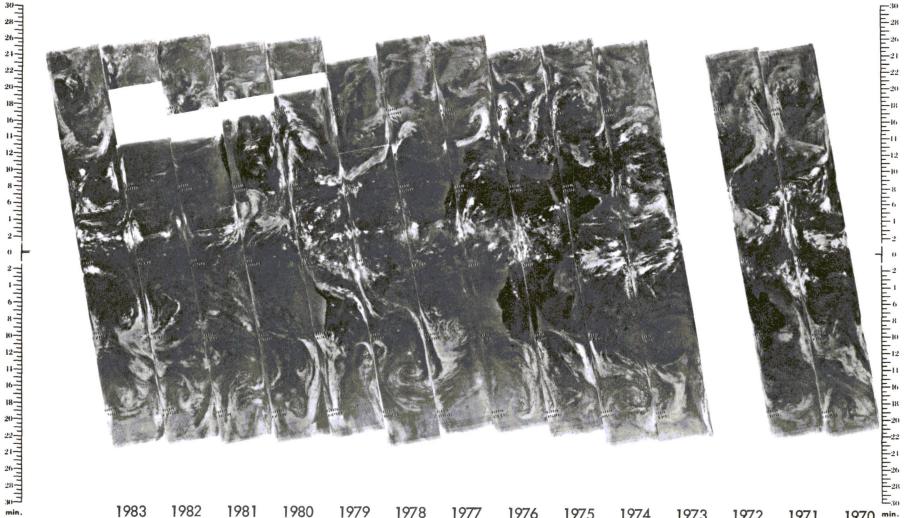
(No $6.7 \mu m$ montages are shown as only one orbit - 2546 - of $6.7 \mu m$ daytime data was recorded during this catalog period).

PRECEDING PAGE BLANK NOT FILMED



1969 1968 1967 1966 1965 1964 1963 1962 1961 1960 1959 1958 1957

1 SEPTEMBER 1970



1983 1982 1981 1980 1979 1978 1977 1976 1975 1974 1973 1972 1971 1970 min. 2 SEPTEMBER 1970

 $11.5~\mu\text{m}$

1996 1995 1994 1993 1992 1991 1990 1989 1988 1987 1986 1985 1984

3 SEPTEMBER 1970

4 SEPTEMBER 1970

11.5 µm



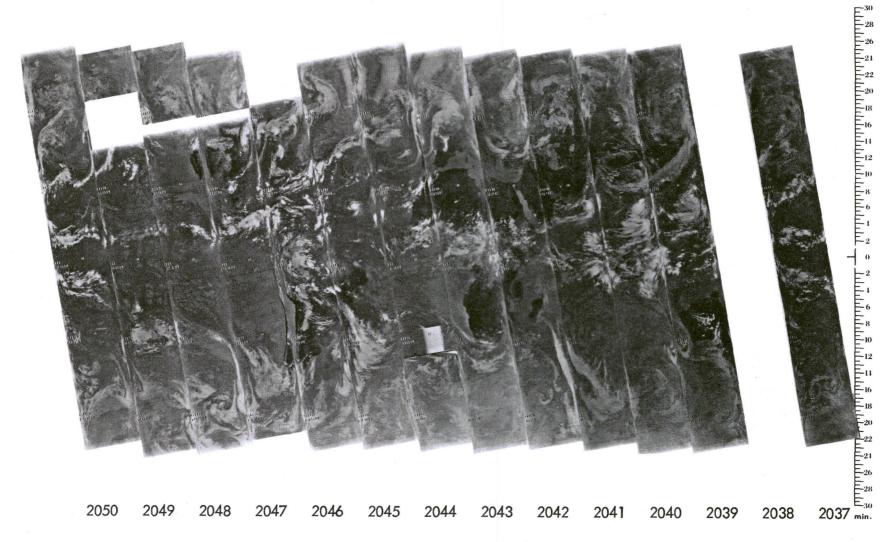
2023 2022 2021 2020 2019 2018 2017 2016 2015 2014 2013 2012 2011

5 SEPTEMBER 1970

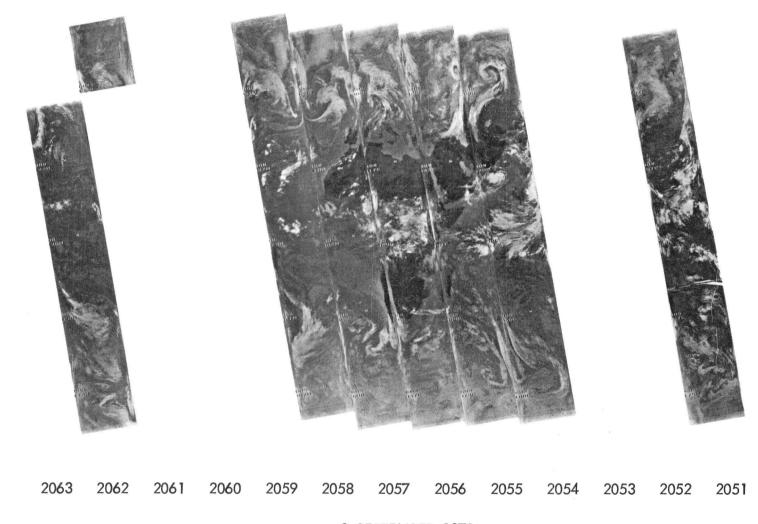
11.5 μm

2036 2035 2034 2033 2032 2031 2030 2029 2028 2027 2026 2025 2024

6 SEPTEMBER 1970

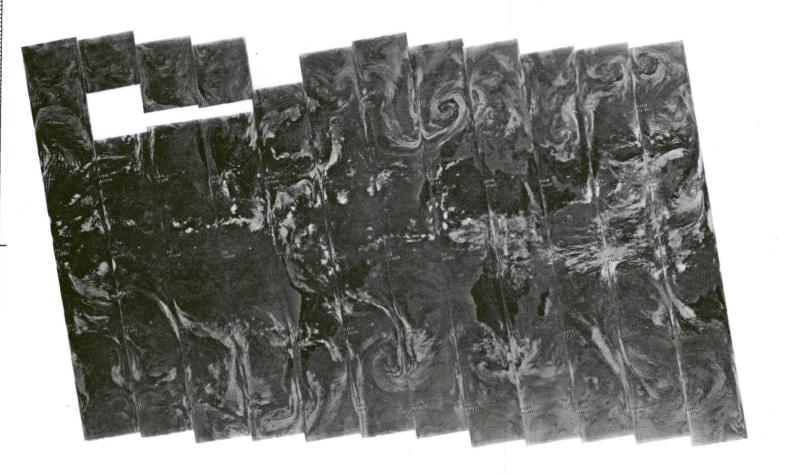


7 SEPTEMBER 1970



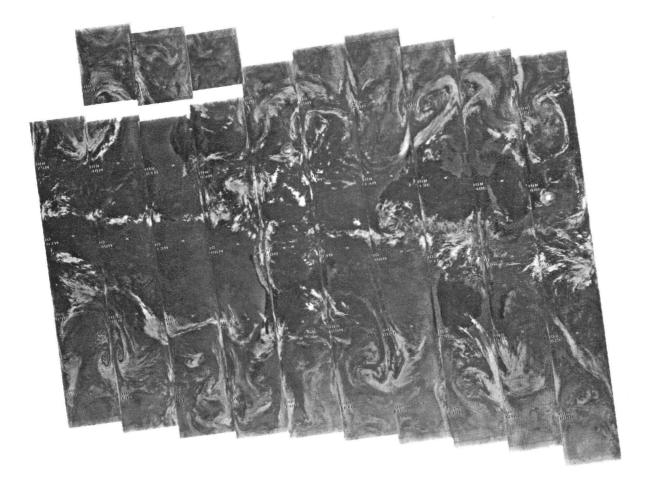
8 SEPTEMBER 1970

11.5 µm



2077 2076 2075 2074 2073 2072 2071 2070 2069 2068 2067 2066 2065

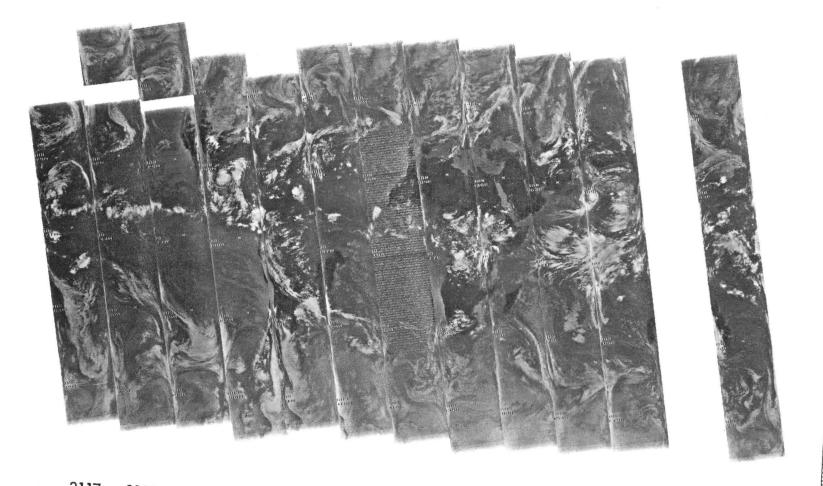
9 SEPTEMBER 1970





10 SEPTEMBER 1970

11 SEPTEMBER 1970



2117 2116 2115 2114 2113 2112 2111 2110 2109 2108 2107 2106 2105 12 SEPTEMBER 1970

11.5 μm



2130 2129 2128 2127 2126 2125 2124 2123 2122 2121 2120 2119 2118

13 SEPTEMBER 1970

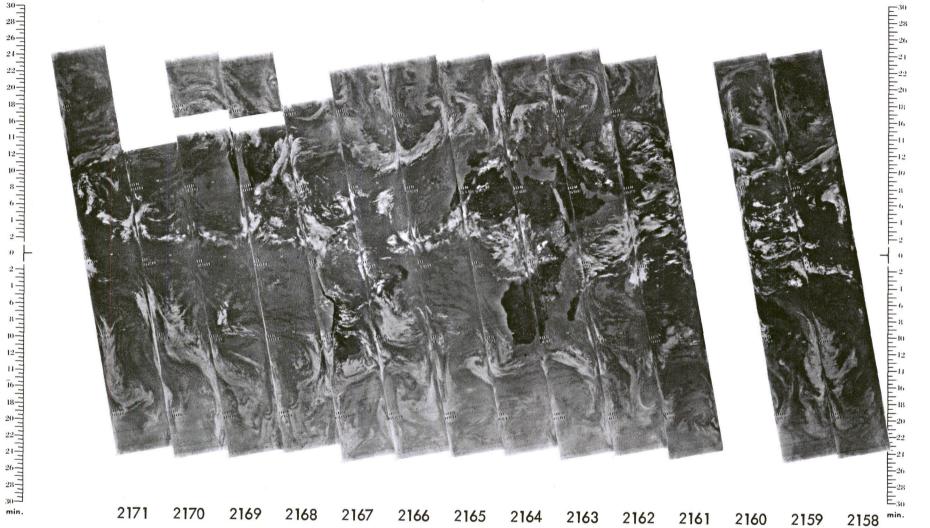
11.5 μm



2144 2143 2142 2141 2140 2139 2138 2137 2136 2135 2134 2133 2132 2131 14 SEPTEMBER 1970

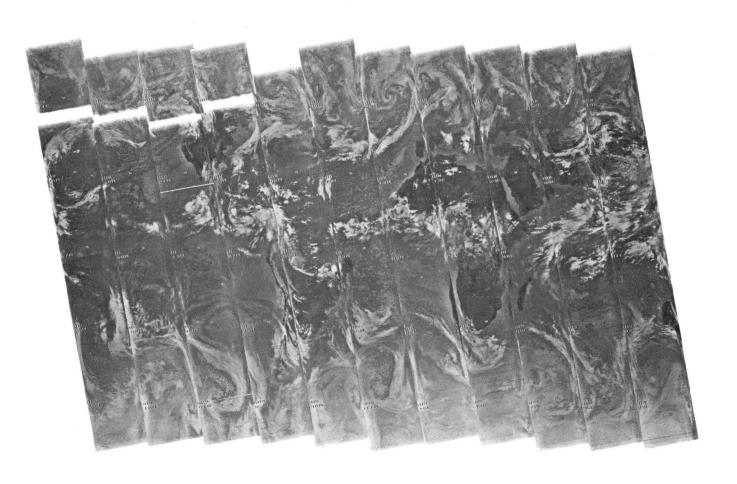
15 SEPTEMBER 1970

11.5 μm

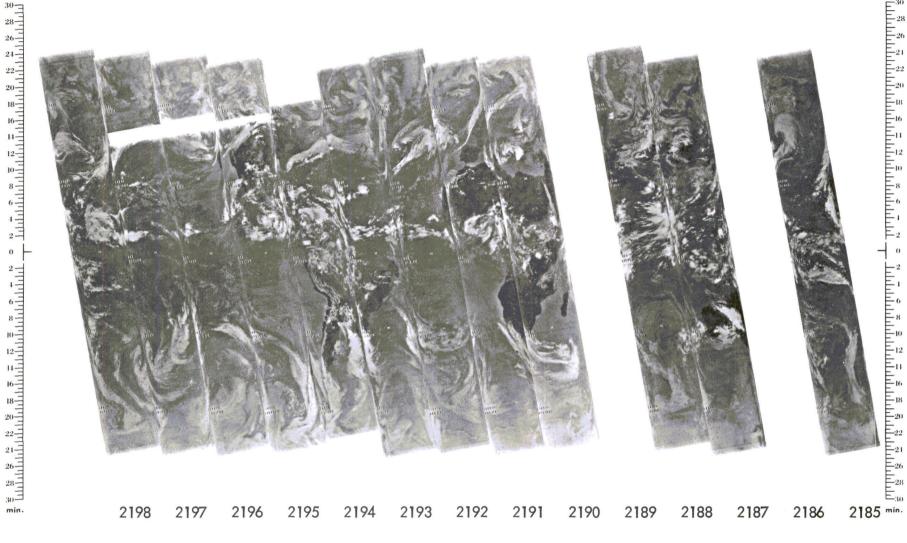


16 SEPTEMBER 1970

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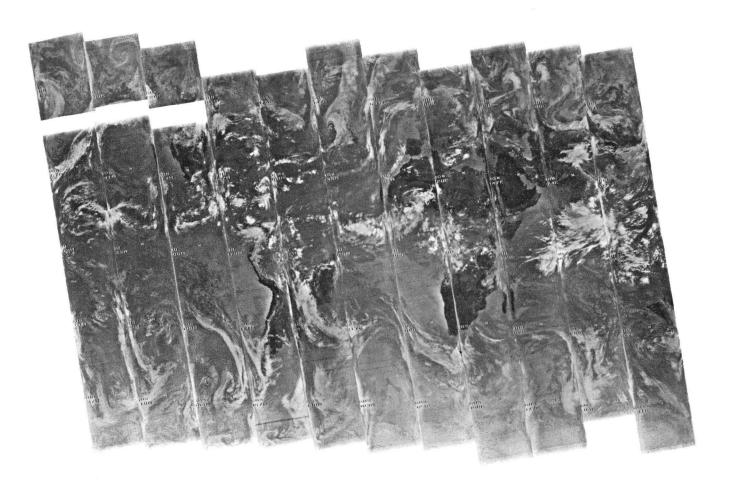
17 SEPTEMBER 1970



18 SEPTEMBER 1970

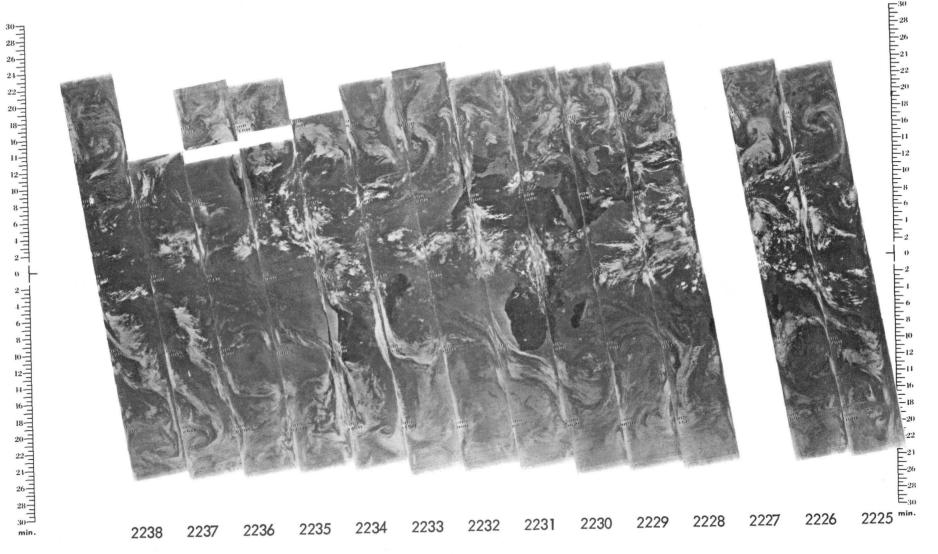
2211 2210 2209 2208 2207 2206 2205 2204 2203 2202 2201 2200 2199

19 SEPTEMBER 1970



2224 2223 2222 2221 2220 2219 2218 2217 2216 2215 2214 2213 2212

20 SEPTEMBER 1970

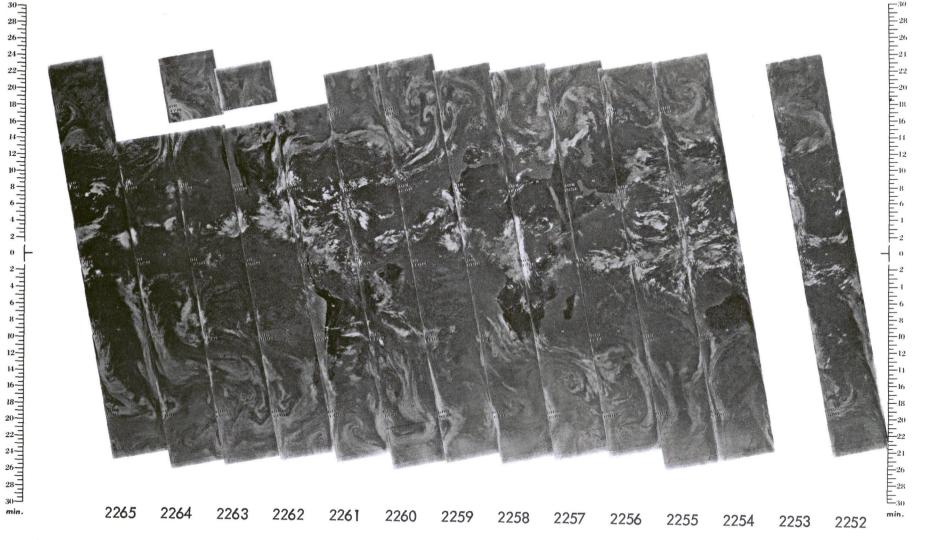


21 SEPTEMBER 1970

2251 2250 2249 2248 2247 2246 2245 2244 2243 2242 2241 2240 2239

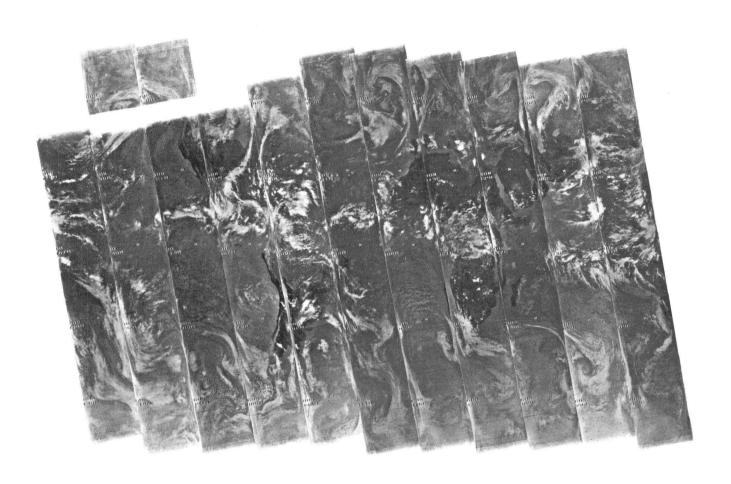
22 SEPTEMBER 1970

 $11.5\,\mu m$



23 SEPTEMBER 1970

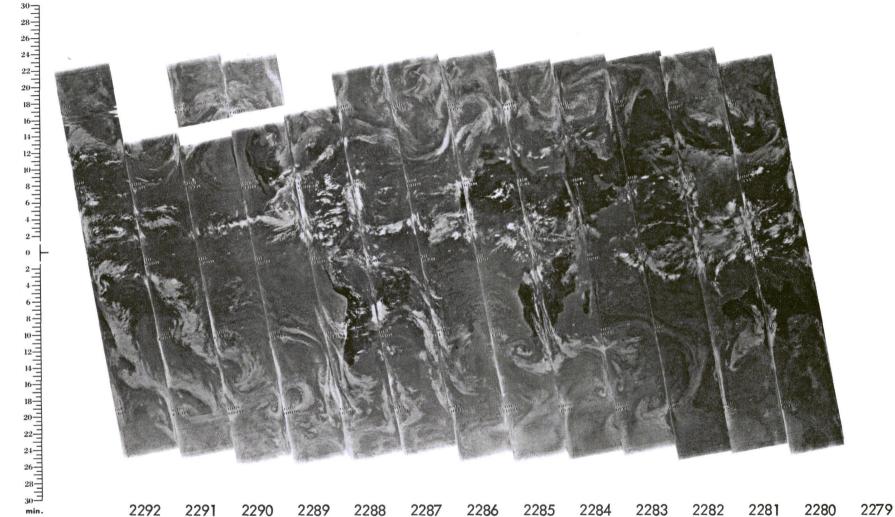
11.5 μm



2278 2277 2276 2275 2274 2273 2272 2271 2270 2269 2268 2267 2266

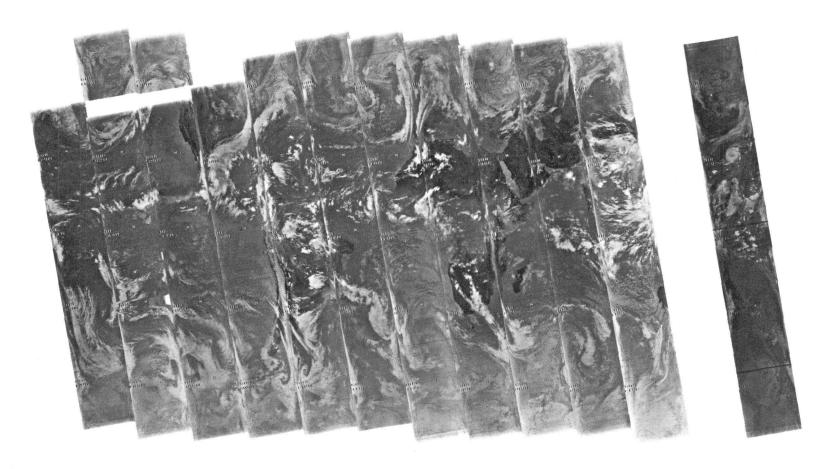
24 SEPTEMBER 1970

11.5 μm



25 SEPTEMBER 1970

11.5 µm



2305 2304 2303 2302 2301 2300 2299 2298 2297 2296 2295 2294 2293

26 SEPTEMBER 1970



2318 2317 2316 2315 2314 2313 2312 2311 2310 2309 2308 2307 2306

27 SEPTEMBER 1970

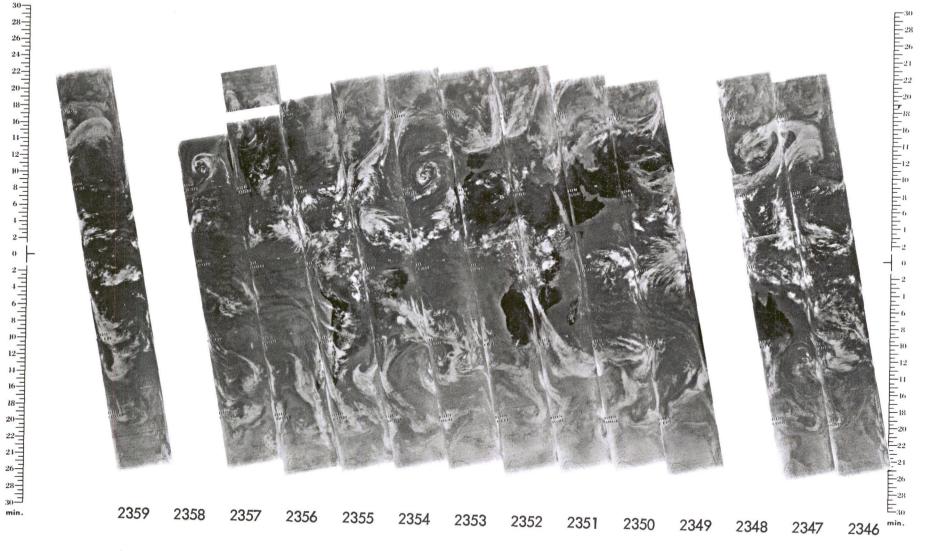
min.

28 SEPTEMBER 1970

Reproduced from best available copy.

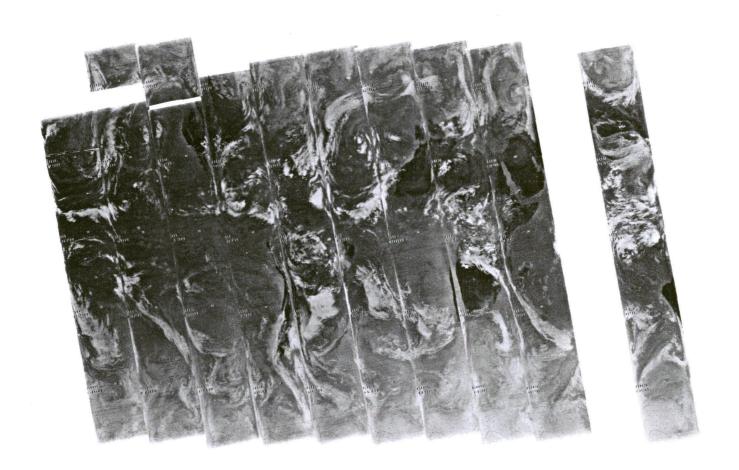
1.5 μm

29 SEPTEMBER 1970



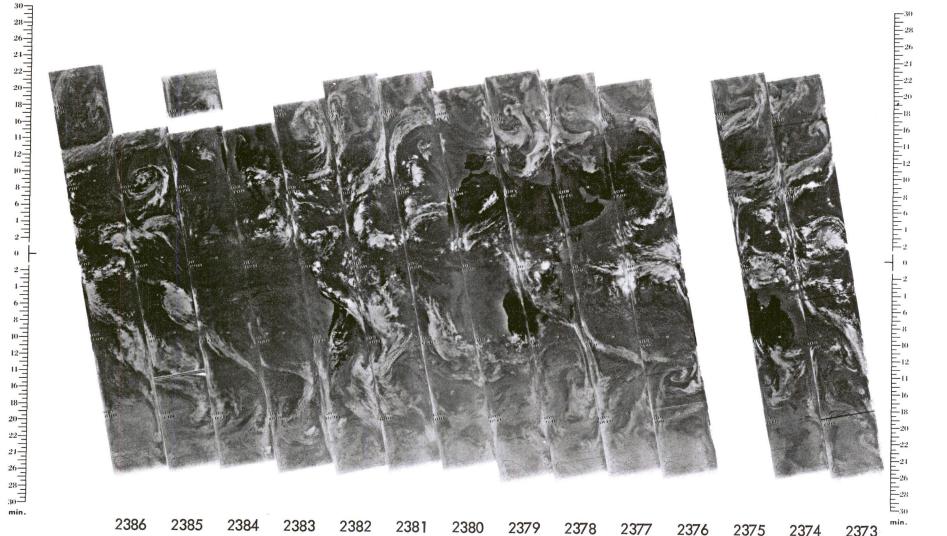
30 SEPTEMBER 1970

 $11.5 \, \mu m$



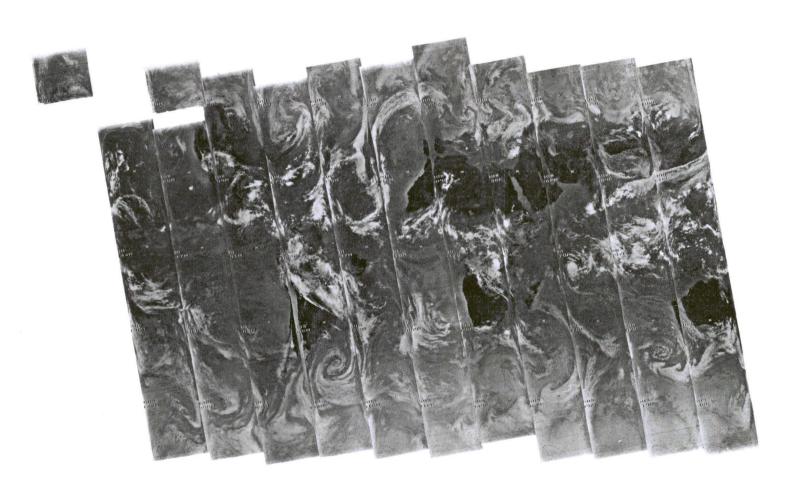
2372 2371 2370 2369 2368 2367 2366 2365 2364 2363 2362 2361 2360

1 OCTOBER 1970



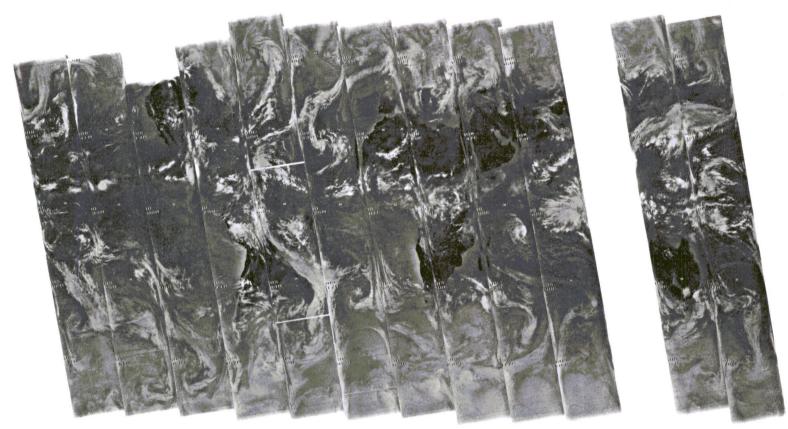
 $11.5~\mu\text{m}$

min.



2399 2398 2397 2396 2395 2394 2393 2392 2391 2390 2389 2388 2387

3 OCTOBER 1970



2412 2411 2410 2409 2408 2407 2406 2405 2404 2403 2402 2401 2400

4 OCTOBER 1970

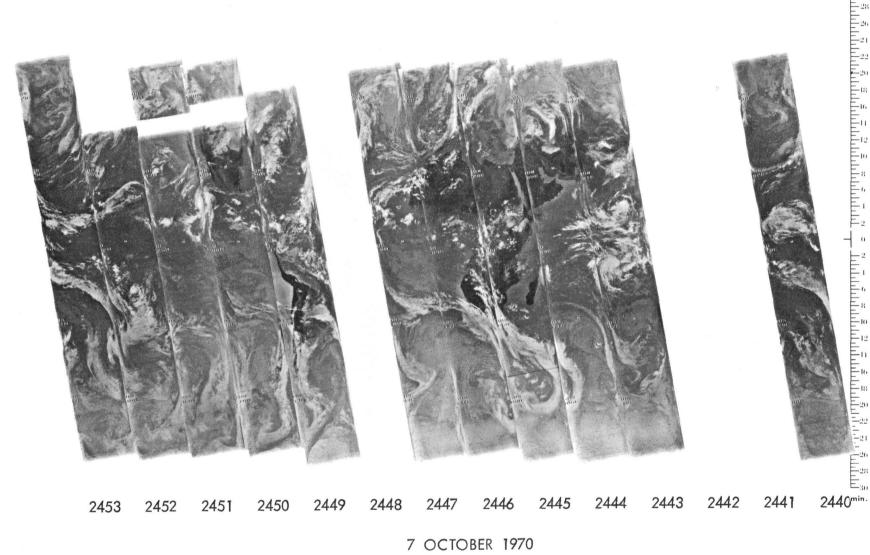
2426 2425 2424 2423 2422 2421 2420 2419 2418 2417 2416 2415 2414 2413 ^m 5 OCTOBER 1970

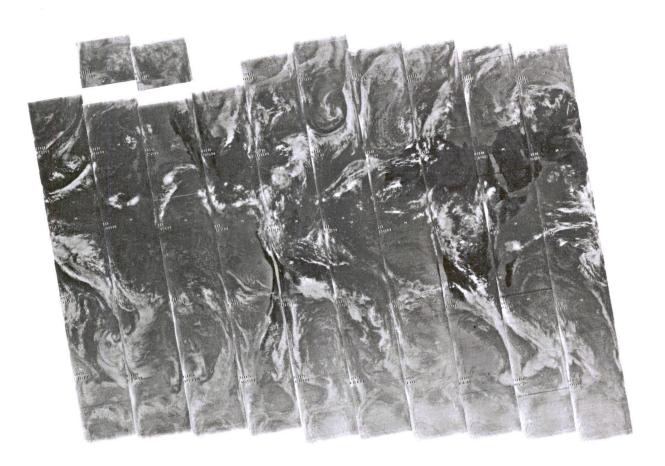
11.5 μm



2439 2438 2437 2436 2435 2434 2433 2432 2431 2430 2429 2428 2427

11.5 μm



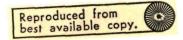




min.

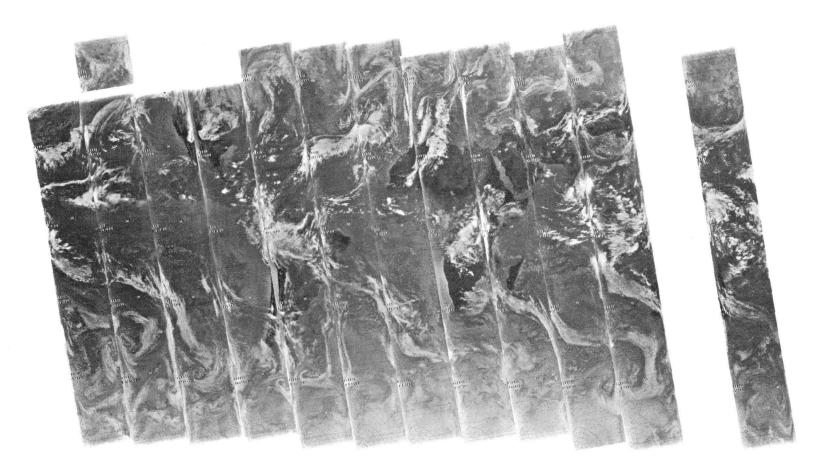
2466 2465 2464 2463 2462 2461 2460 2459 2458 2457 2456 2455 2454

8 OCTOBER 1970



11.5 µm

2467 min.

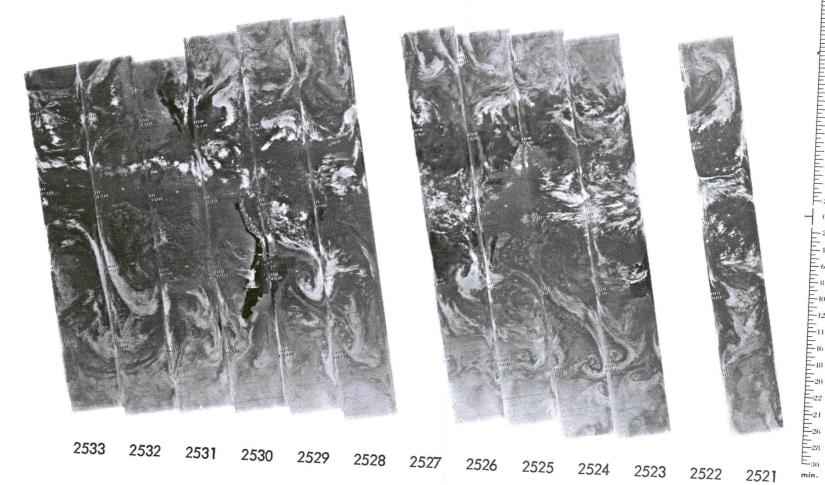


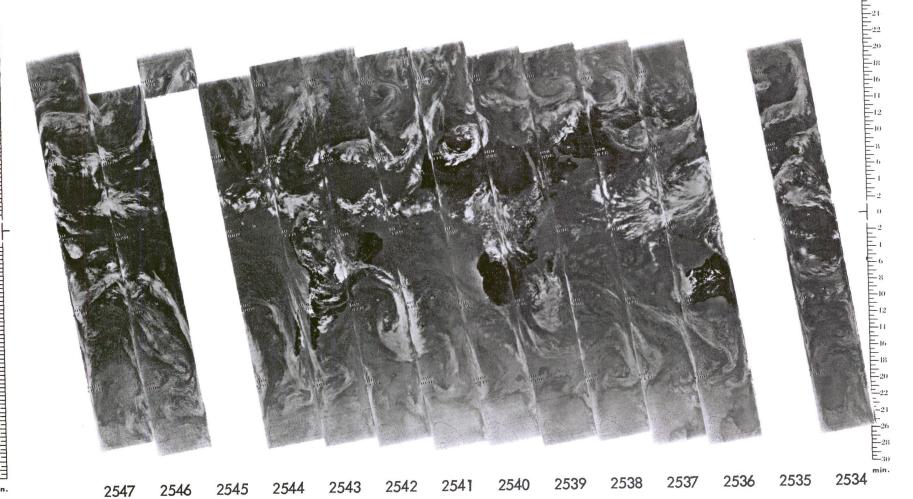
2493 2492 2491 2490 2489 2488 2487 2486 2485 2484 2483 2482 2481

10 OCTOBER 1970



2520 2519 2518 2517 2516 2515 2514 2513 2512 2511 2510 2509 2508 2507

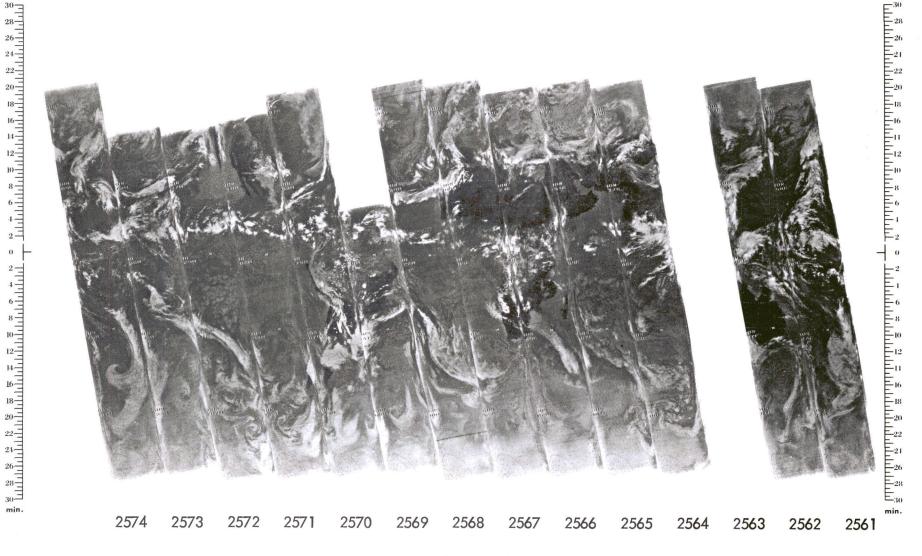




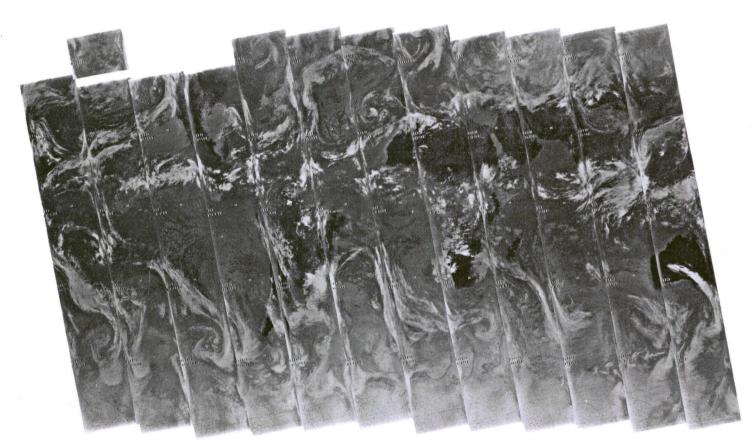


2560 2559 2558 2557 2556 2555 2554 2553 2552 2551 2550 2549 2548

15 OCTOBER 1970



11.5 µm



2587 2586 2585 2584 2583 2582 2581 2580 2579 2578 2577 2576 2575

17 OCTOBER 1970

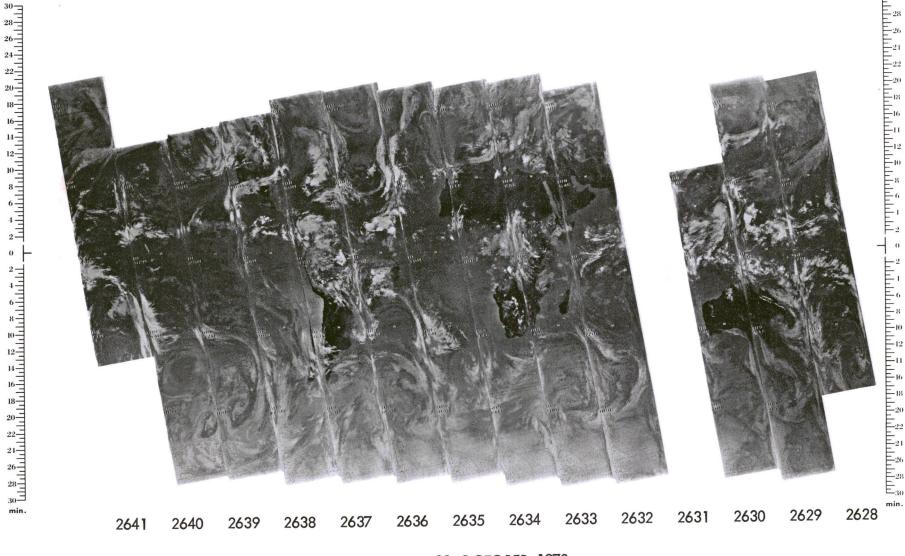
18 OCTOBER 1970

 $11.5~\mu\text{m}$

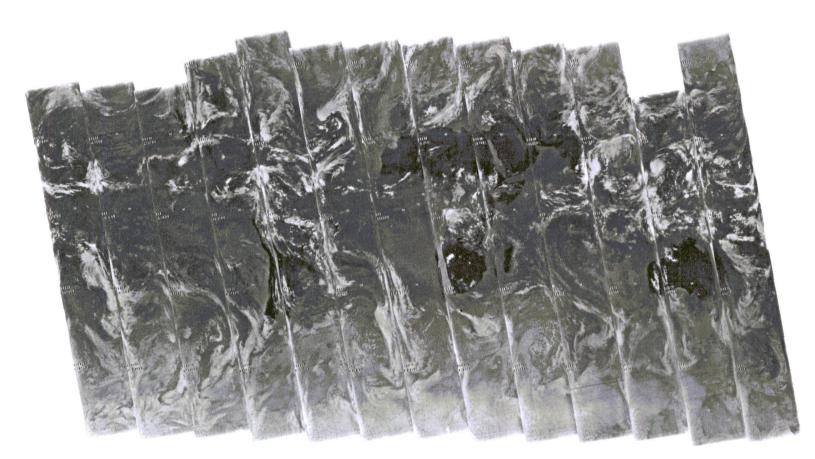
2614 2613 2612 2611 2610 2609 2608 2607 2606 2605 2604 2603 2602 2601

19 OCTOBER 1970

11.5 μm

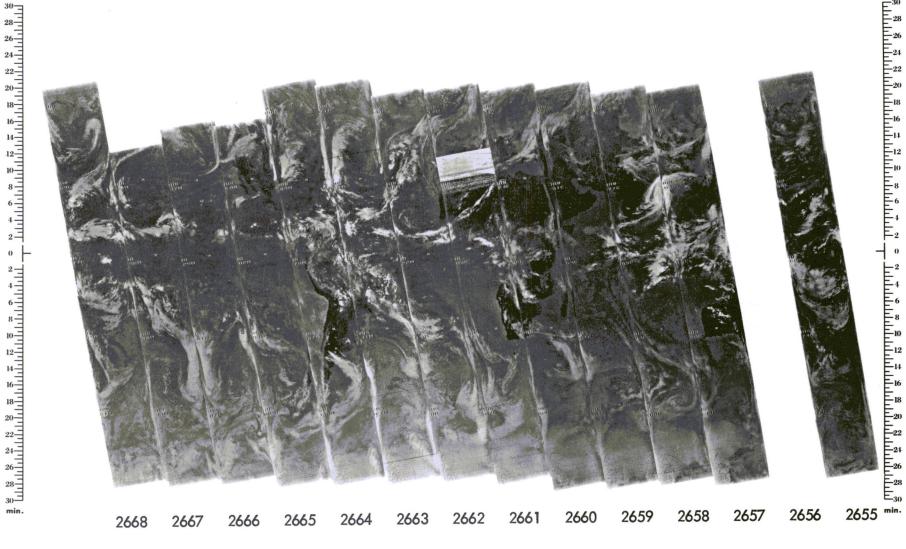


11.5 μm

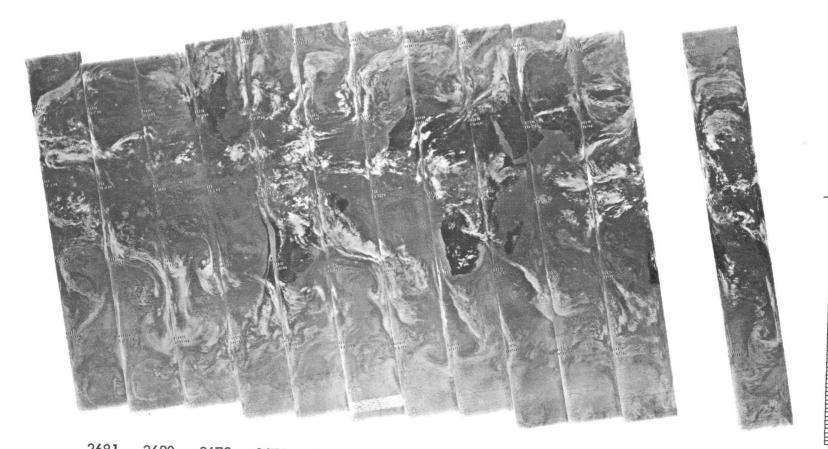


22 OCTOBER 1970

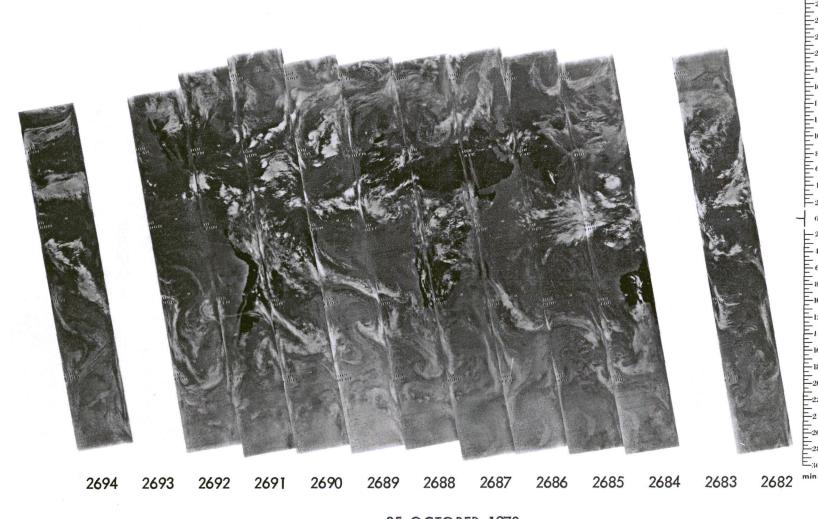
11.5 μm



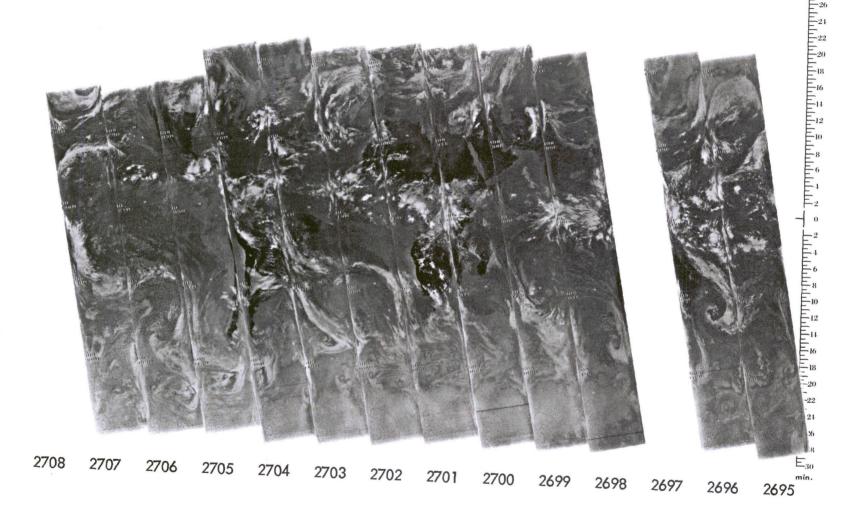
11.5 μm



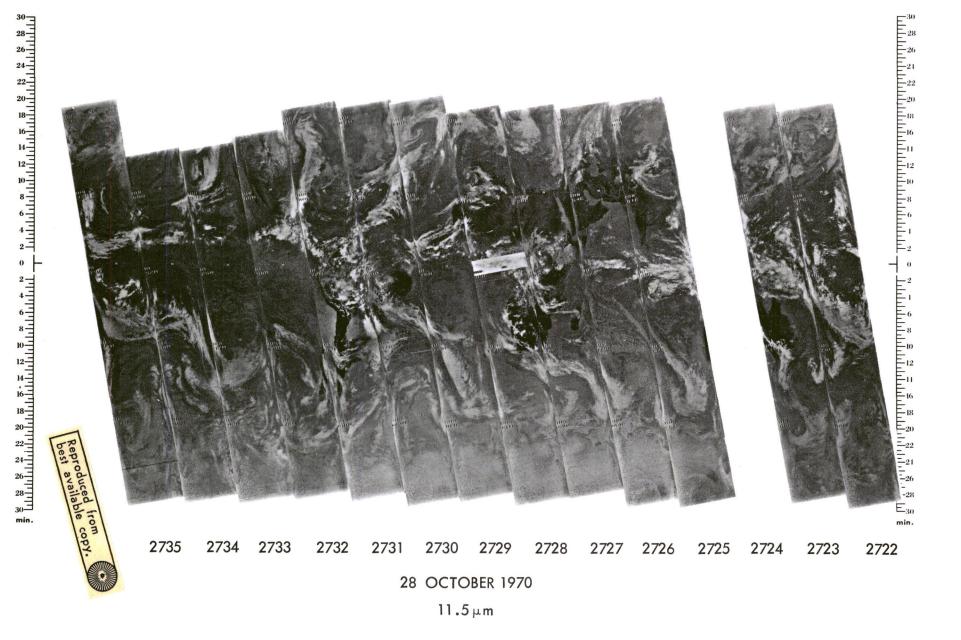
2681 2680 2679 2678 2677 2676 2675 2674 2673 2672 2671 2670 2669 24 OCTOBER 1970

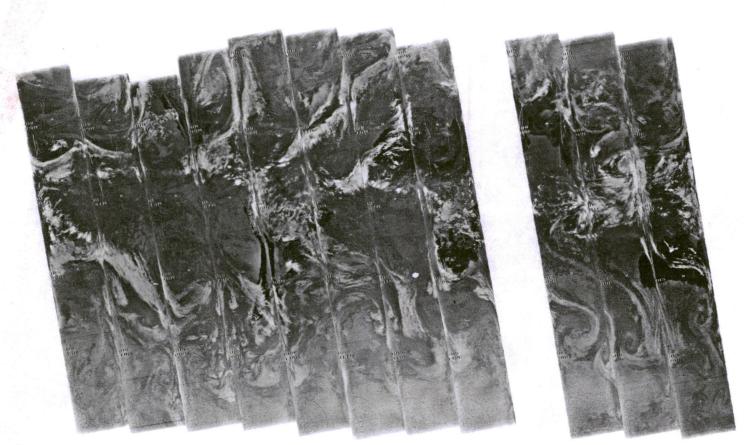


11.5 µm



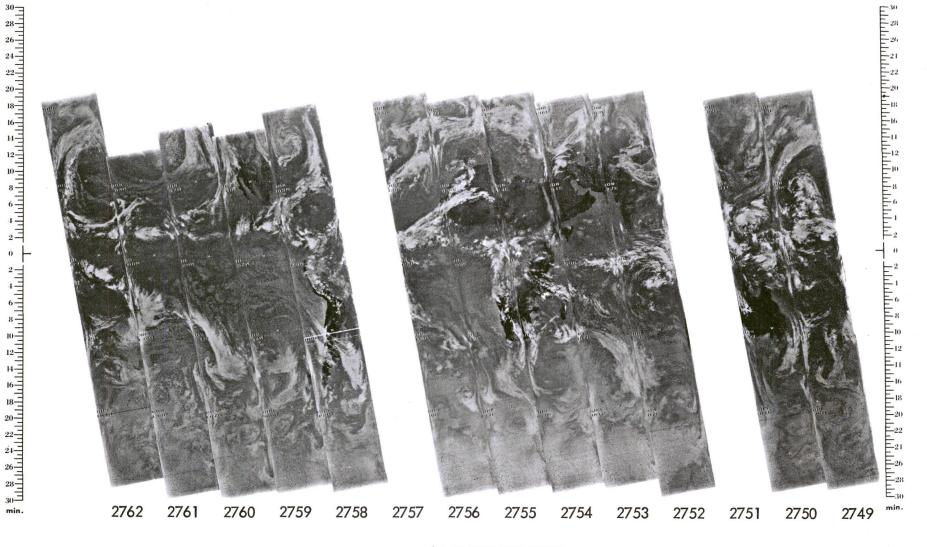
11.5 µm





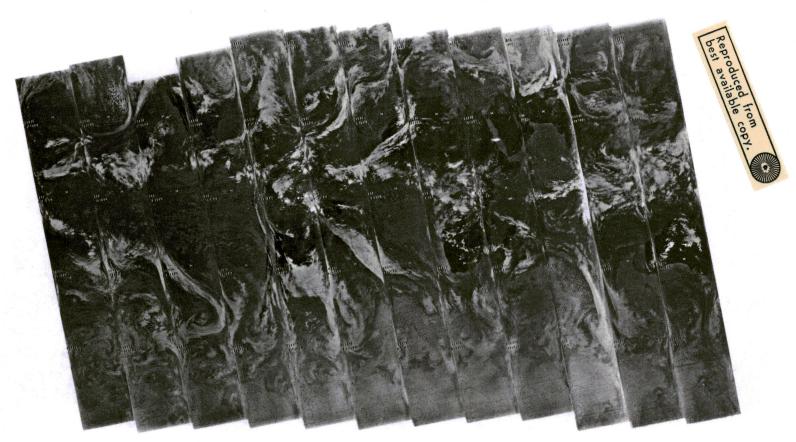
2748 2747 2746 2745 2744 2743 2742 2741 2740 2739 2738 2737 2736

29 OCTOBER 1970



30 OCTOBER 1970

11.5 μm



2775 2774 2773 2772 2771 2770 2769 2768 2767 2766 2765 2764 2763

SECTION 5

INTERROGATION, RECORDING AND LOCATION SYSTEM (IRLS) BALLOON EXPERIMENT TIME/LOCATION LISTINGS AND MAP DISPLAYS

This section contains a complete listing of IRLS tracking data from constant level balloons floating at 30 and 50 mb. Also included are map displays which show general characteristics of flight patterns, but do not include all points due to scale limitations. A separate listing is provided for each balloon with data organized in time sequence. The balloon platform number, launch date and total tracking period are indicated at the beginning of each list. The column headings are defined in the following legend:

LEGEND

CARD Key punched card number

ADDRESS Six (6) character actual addresses of BIP with "0's" omitted,

e. g., 122 = 000122

ALTITUDE Balloon Float Altitude. 50 mb, 20,580 meters, 67,520 feet

30 mb, 23,850 meters, 78,250 feet

DAY GMT day of year of location (001 = January 1, 365 = December 31)

HR. MIN. GMT time of day that location was obtained

DELTA HOURS Time interval from previous location

LONG. & LAT. Longitude and Latitude in degrees and decimal of balloon position.

For each set of balloon interrogations, two solutions result. The ambiguity must be resolved through a priori knowledge of position or extrapolation from a previously known position and velocity. The latter technique was used with selections indicated by flag

notations described below.

ONE FLAG Indicates most probable location where two positions are given

TWO FLAGS Indicates both locations good, correct solution indeterminable

NO FLAGS Indicates inaccurate position, not recommended for use

ONE POSITION Indicates direct overhead pass or duplicate positions generated by

computer; location accuracy questionable but not necessarily

unreliable

Section 10 of the Nimbus IV User's Guide provides a description of the IRLS system and the balloon experiment.

If more information about these data or the IRLS system are desired, please address your communication to:

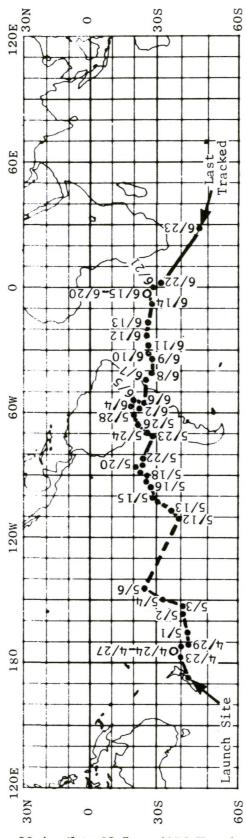
Mr. Charles Cote Code 733 Goddard Space Flight Center Greenbelt, Maryland 20771

Telephone: (301) 982-4215

 ${\tt TABLE~5-1}$ IRLS BALLOON EXPERIMENT TIME/LOCATION AND MAP DISPLAY LISTING

| Balloon | | | | |
|--------------|--------------|--|---|---------------|
| Number | Launch Date | Last Tracked | Item | Page |
| rumser | Launen Bute | Last Tracked | Item | 1 age |
| P-97 | 22 Apr 1970 | 23 Jun 1970 | Map Display | 5-4 |
| P-97 | 1 | | Time/Location Listing | 5-5 |
| P-26 | 27 May 1970 | 30 May 1970 | Map Display | 5-7 |
| P-26 | | | Time/Location Listing | 5-7 |
| P-23 | 1 Jun 1970 | 29 Jun 1970 | Map Display | 5-8 |
| P-23 | | | Time/Location Listing | 5-8 |
| P-07 | 11 Jun 1970 | 23 Sep 1970 | Map Display | 5-9 |
| P-07 | | 200-000 200-000 <u>*</u> 0 200-000 00 00 | Time/Location Listing | 5-11 |
| P-11 | 22 Jun 1970 | 27 Oct 1970 | Map Display | 5-13 |
| P-11 | | | Time/Location Listing | 5-15 |
| P-03 | 23 Jun 1970 | 30 Aug 1970 | Map Display | 5-18 |
| P-03 | | · · | Time/Location Listing | 5-19 |
| P-02 | 24 Jun 1970 | 25 Oct 1970 | Map Display | 5-20 |
| P-02 | | | Time/Location Listing | 5-21 |
| P-12 | 29 Jun 1970 | 27 Aug 1970 | Map Display | 5-24 |
| P-12 | | | Time/Location Listing | 5-24 |
| P-20 | 30 Jun 1970 | 15 Aug 1970 | Map Display | 5-25 |
| P-20 | | | Time/Location Listing | 5-26 |
| P-21 | 1 Jul 1970 | 1 Jul 1970 | Time/Location Listing | 5-27 |
| P-06 | 3 Jul 1970 | 26 Jul 1970 | Map Display | 5-27 |
| P-06 | | | Time/Location Listing | 5-27 |
| P-10 | 6 Jul 1970 | 2 Nov 1970 | Map Display | 5-28 |
| P-10 | | | Time/Location Listing | 5-30 |
| P-05 | 8 Jul 1970 | 10 Nov 1970 | Map Display | 5-33 |
| P-05 | | | Time/Location Listing | 5-35 |
| P-17 | 20 Oct 1970 | 25 Oct 1970 | Map Display | 5-37 |
| P-17 | | | Time/Location Listing | 5-37 |
| P-15 | 21 Oct 1970 | 8 Nov 1970 | Map Display | 5-38 |
| P-15 | | | Time/Location Listing | 5-38 |
| P-08 | 22 Oct 1970 | 27 Mar 1971 | Map Display | 5-39 |
| P-08 | | | Time/Location Listing | 5-41 |
| P-28 | 23 Oct 1970 | 24 Oct 1970 | Map Display | 5-44 |
| P-28 | | | Time/Location Listing | 5-44 |
| P-16 | 24 Oct 1970 | 17 Dec 1970 | Map Display | 5-45 |
| P-16 | | | Time/Location Listing | 5-46 |
| P-29 | 30 Oct 1970 | 3 Feb 1971 | Map Display | 5-47 |
| P-29 | | | Time/Location Listing | 5-48 |
| P-30 | 31 Oct 1970 | 1 Nov 1970 | Map Display | 5-50 |
| P-30 | 0.31 1050 | 10 D - 1070 | Time/Location Listing | 5-50 |
| P-01 | 2 Nov 1970 | 16 Dec 1970 | Map Display | 5-51 |
| P-01 | 0 N 1070 | 14 N 1070 | Time/Location Listing | 5-51 |
| P-13 | 9 Nov 1970 | 14 Nov 1970 | Map Display | 5-52 |
| P-13 P-09 | 10 Nov. 1070 | 25 Nov 1070 | Time/Location Listing | 5-52 |
| | 10 Nov 1970 | 25 Nov 1970 | Map Display | 5 - 53 |
| P-09 P-25 | 19 Nov 1070 | 5 Dog 1070 | Time/Location Listing | 5-53 |
| P-25 P-25 | 12 Nov 1970 | 5 Dec 1970 | Map Display Time/Location Listing | 5-54 |
| P-23 P-22 | 16 Nov 1970 | 16 Nov 1970 | Time/Location Listing Time/Location Listing | 5-55 |
| 1 22 | 10 100 1310 | 10 100 1910 | Time, Location Listing | 5-55 |

Track of Balloon Package No. P-97 Floating at about 50 mb Launched 22 April 1970 from Christchurch, New Zealand

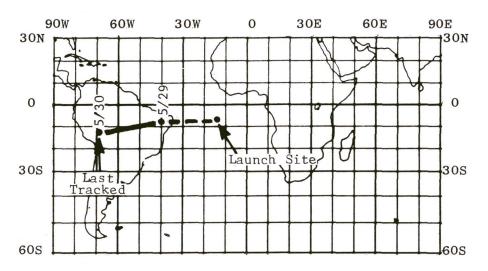


22 April to 23 June 1970 Track

| P97 LAU | NCHED 22 | APR 70 5 | 9 DAYS | | | | | | | |
|--------------|----------|----------|-----------------------|--------------------|--------------------|------|---|-----------|------|-----------|
| CARD | ADDRESS | ALTITUDE | DAY HR MM | LATITUDE | LONGITUDE | FLAG | | LONGITUDE | FLAG | DELTA HRS |
| 1626 | 105762 | 50 MBS. | 113 10 15 | 41.875 39.925 | 178.66E 176.69W | | 0 | 0 | | 0 |
| 1627 1628 | 105762 | 50 MBS. | 113 23 14 | 38.875 | 174.65W | | 0 | 0 | | 12 |
| 1629 | 105762 | 50 MB5. | 115 23 0 | 36.685 | 173.66W | | 0 | 0 | | 36 |
| 1630 | 105762 | 50 MBS. | 116 7 0 | 34.495 | 174.03W | | 0 | 0 | | ē |
| 1631 | 105762 | 50 MBS. | 116 9 0 | 34.955 | 174.50W | | 0 | 0 | | 2 |
| 1632 | 105762 | 50 MBS. | 117 23 52 | 38.935 39.735 | 174.12W 173.37W | | 0 | 0 | | 38 12 |
| 1634 | 105762 | 50 MBS. | 118 23 7 | 41.365 | 172.76W | | 0 | 0 | | 13 |
| 1635 | 105762 | 50 MB5 . | 119 9 27 | 42.065 | 172.60W | | 0 | 0 | | 10 |
| 1636 | 105762 | 50 MB5. | 119 11 9 | 42.335 | 172.43W | | 0 | 0 | | 2 |
| 1637 | 105762 | 50 MBS. | 119 22 24 | 42.655 | 171.45W | | 0 | 0 | | 11 |
| 1638 | 105762 | 50 MBS. | 121 22 46 122 9 1 | 42.30S 41.17S | 164.83W 156.14W | | 0 | 0 | | 48 |
| 1640 | 105762 | 50 MBS. | 123 22 0 | 38.785 | 153.47W | | 0 | 0 | | 37 |
| 1641 | 105762 | 50 MB5 . | 124 9 21 | 31.915 | 146.88W | | 0 | ō | | 11 |
| 1642 | 105762 | 50 MBS. | 124 20 35 | 32.915 | 149.79W | | 0 | 0 | | 1.1 |
| 1643 | 105762 | 50 MBS. | 126 9 35 | 25.225 | 144.74W | | 0 | 0 | | 37 |
| 1644 | 105762 | 50 MB5. | 132 8 23 | 38.885 | 111.20W | | 0 | 0 | | 143 |
| 1645 | 105762 | 50 MBS. | 133 6 24 134 5 36 | 36.20S 32.00S | 107.63W | | 0 | 0 | | 22 23 |
| 1647 | 105762 | 50 MB5 . | 134 18 42 | 30.095 | 101.89W | | ő | ō | | 13 |
| 1648 | 105762 | 50 MB5 . | 135 4 52 | 28.905 | 100.58W | | 0 | 0 | | 10 |
| 1649 | 105762 | 50 MB5. | 136 5 54 | 27.715 | 98.08W | | 0 | 0 | | 25 |
| 1650 | 105762 | 50 MBS | 136 17 17 137 5 12 | 27.975 | 95.99W | | 0 | 0 | | 12 |
| 1651 1652 | 105762 | 50 MBS. | 137 5 12 137 18 21 | 26.505 26.325 | 94.46W 92.37W | | 0 | 0 | | 13 |
| 1653 | 105762 | 50 MBS. | 138 4 33 | 25.685 | 91.95W | | Ö | ő | | 10 |
| 1654 | 105762 | 50 MBS. | 139. 5 31 | 24.045 | 89.02W | | 0 | 0 | | 25 |
| 1655 | 105762 | 50 MB5. | 140 16 10 | 22.525 | 86.36W | | 0 | 0 | | 35 |
| 1656 | 105762 | 50 MB5. | 141 4 5 | 22.895 | 85.27W | | 0 | 0 | | 12 |
| 1657 1658 | 105762 | 50 MB5. | 141 17 11 | 22.725 | 85.34W 82.13W | | 0 | 0 | | 13 12 |
| 1659 | 105762 | 50 MBS. | 143 4 24 | 25.355 | 77.61W | | 0 | 0 | | 23 |
| 1660 | 105762 | 50 MBS . | 143 17 34 | 27.905 | 70.49W | | 0 | 0 | | 13 |
| 1661 | 105762 | 50 MBS. | 144 3 41 | 25.715 | 71.11W | | 0 | 0 | | 10 |
| 1662 | 105762 | 50 MBS. | 144 16 52 | 26.795 | 69.62W | | 0 | 0 | | 13 |
| 1663 | 105762 | 50 MBS. | 146 2 15 | 22.385 | 64.59W | | 0 | 0 | | 34 48 |
| 1664 | 105762 | 50 MBS. | 153 14 39 | 19.405 | 60 • 1 4 W | | 0 | 0 | | 142 |
| 1666 | 105762 | 50 MB5. | 153 15 25 | 18.605 | 59.76W | | 0 | 0 | | 1 |
| 1667 | 105762 | 50 MBS. | 153 16 25 | 16.605 | 71.90W | | 0 | 0 | | 1 |
| 1668 | 105762 | 50 MBS. | 153 17 10 | 21.505 | 58.63W | | 0 | 0 | | . [|
| 1669 1670 | 105762 | 50 MBS. | 155 15 41 | 14.205 | 58.79W 57.53W | | 0 | 0 | | 46 |
| 1671 | 105762 | 50 MBS. | 156 2 6 | 19.175 | 56.87W | | o | 0 | | 10 |
| 1672 | 105762 | 50 MB5. | 156 3 30 | 19.105 | 57.00W | | o | 0 | | 1 |
| 1673 | 105762 | 50 MB5. | 156 16 41 | 20.205 | 54.61W | | 0 | 0 | | 13 |
| 1674 | 105762 | 50 MB5. | 157 2 45 | 21.805 | 52.32W | | 0 | 0 | | 10 |
| 1675 1676 | 105762 | 50 MBS. | 157 14 40 | 23.145 | 49.93W 55.96W | | 0 | 0 | | 12 |
| 1677 | 105762 | 50 MBS. | 158 2 30 | 24.785 | 47.07W | | ő | ō | | 11 |
| 1678 | 105762 | 50 MB5. | 158 3 45 | 24.915 | 46.79W | | 0 | 0 | | 1 |
| 1679 | 105762 | 50 MBS. | 158 15 11 | 25.775 | 44-17W | | 0 | 0 | | 12 |
| 1680 | 105762 | 50 MBS. | 159 14 58 | 28.265 | 41.46W | | 0 | 0 | | 23 |
| 1681 | 105762 | 50 MBS. | 159 16 7 | 28.20S 27.93S | 41.35W 36.94W | | 0 | 0 | | 10 |
| 1683 | 105762 | 50 MBS. | | 27.755 | 36.73W | | o | ő | | Ö |
| 1684 | 105762 | 50 MB5. | | 28.105 | 33.38W | | 0 | 0 | | 12 |
| 1685 | 105762 | 50 MBS. | | 27.785 | 33.12W | | 0 | 0 | | 11 |
| 1686 | 105762 | 50 MBS. | | 27.445 | 32.04W | | 0 | 0 | | 13 10 |
| 1687 1688 | 105762 | 50 MBS. | 162 0 44 | 27.975 26.515 | 30.20W 28.42W | | 0 | 0 | | 13 |
| 1689 | 105762 | 50 MBS. | 163 1 44 | 27.075 | 25.33W | | 0 | 0 | | 12 |
| 1690 | 105762 | 50 MB5. | 163 13 5 | 25.565 | 23.05W | | 0 | 0 | | 12 |
| 1691 | 105762 | 50 MBS. | 163 14 51 | 25.645 | 22.76W | | 0 | 0 | | |
| 1692 | 105762 | 50 MBS. | | 26.895 | 20.25W | | 0 | 0 | | 11 |
| 1693 1694 | 105762 | 50 MBS. | 164 12 20 | 24.85S 26.54S | 16.38W | | 0 | 0 | | 2 |
| 1695 | 105762 | 50 MBS. | 165 0 11 | 27.455 | 14.56W | | o | ō | | 10 |
| | | | 0.000 | W0000 100 V 150050 | m/2 (V) | | | | | |

| CARD | ADDRESS | ALTI | TUDE | DAY | HR | MM | LATITUDE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA | HRS |
|------|---------|------|------|-----|----|----|----------|-----------|------|----------|-----------|------|-------|-----|
| 1696 | 105762 | 50 | MBS. | 165 | 13 | 21 | 26.655 | 10.90W | | 0 | 0 | | 13 | |
| 1697 | 105762 | 50 | MBS. | 165 | 23 | 26 | 28.145 | 8.18W | | 0 | 0 | | 10 | |
| 1698 | 105762 | 50 | MBS. | 166 | 12 | 34 | 26.905 | 4 . 43 W | | 0 | 0 | | 13 | |
| 1699 | 105762 | 50 | MBS. | 167 | 11 | 49 | 26.025 | 1.89W | | 0 | 0 | | 23 | |
| 1700 | 105762 | 50 | MBS. | 167 | 13 | 34 | 25.735 | 1.87W | | 0 | 0 | | 2 | |
| 1701 | 105762 | 50 | MBS. | 167 | 23 | 41 | 24.825 | 3.13W | | 0 | 0 | | 10 | |
| 1702 | 105762 | 50 | MBS. | 169 | 12 | 4 | 26.205 | 3.83W | | 0 | 0 | | 37 | |
| 1703 | 105762 | 50 | MBS. | 169 | 23 | 56 | 25.545 | 1.76W | | 0 | 0 | | 1 (| |
| 1704 | 105762 | 50 | MBS. | 170 | 11 | 18 | 25.405 | 2.87W | | 0 | 0 | | 12 | |
| 1705 | 105762 | 50 | MBS. | 170 | 13 | 4 | 25.565 | 2.57W | | 0 | 0 | | 1 | |
| 1706 | 105762 | 50 | MBS. | 171 | 23 | 11 | 25.585 | 1.95W | | 0 | 0 | | 34 | |
| 1707 | 105762 | 50 | MBS. | 172 | 0 | 11 | 26.155 | 1.73W | | 0 | 0 | | 1 | |
| 1708 | 105762 | 50 | MBS. | 172 | 11 | 34 | 26.705 | .56W | | 0 | 0 | | 11 | |
| 1709 | 105762 | 50 | MBS. | 172 | 23 | 25 | 27.645 | .24W | | 0 | 0 | | 12 | |
| 1710 | 105762 | 50 | MBS. | 173 | 12 | 33 | 30.195 | 5.17E | | 0 | 0 | | 13 | |
| 1711 | 105762 | 50 | MB5. | 173 | 22 | 41 | 31.935 | 7.68E | | 0 | 0 | | 10 | |
| 1712 | 105762 | 50 | MB5. | 174 | 11 | 47 | 36.315 | 17.12E | | 0 | 0 | | 13 | |
| 1713 | 105762 | 50 | MB5. | 174 | 21 | 57 | 46.555 | 31.43E | | 0 | 0 | | 10 | |
| 1714 | 105762 | 50 | MB5. | 174 | 21 | 57 | 46.555 | 31.43E | | 0 | 0 | | 10 | |
| | | | | | | | | | | | | | | |

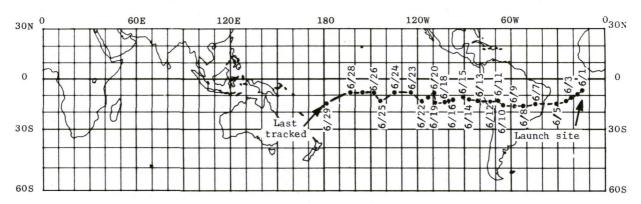
Track of Balloon Package P-26 Floating at about 30 mb Launched 27 May 1970 from Ascension Island



27 May to 30 May 1970 Track

| P26 LAL | INCHED 27 | MAY 70 2 | DAYS | | | | | | | |
|---------|----------------|----------|-----------|----------|-----------|------|----------|-----------|------|-----------|
| CARD | ADDRESS | ALTITUDE | DAY HR MM | LATITUDE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA HRS |
| 1457 | 40300 | 30 MB5. | 149 1 38 | 8.505 | 39.83W | | 13.905 | 17.63W | | 0 |
| 1458 | 40300 | 30 MBS. | 150 2 42 | 9.005 | 58.35W | | 15.805 | 30.46W | | 25 |
| 1459 | 40300 | 30 MBS. | 150 15 56 | 11.705 | 68.60W | | 7.545 | 51.62W | | 1.3 |

Track of Balloon Package No. P-23 Floating at about 50 mb Launched 1 June 1970 from Ascension Island



1 June to 29 June 1970 Track

| P23 LAU | INCHED I J | UNE | 70 28 | DAY | s | | | | | | | | | | |
|---------|------------|-----|-------|-----|----|----|----------|-----------|------|----------|-----------|------|-------|-----|--|
| CARD | ADDRESS | ALT | ITUDE | DAY | HR | MM | LATITUDE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA | HRS | |
| 1368 | 20500 | 50 | MB5. | 152 | 12 | 40 | 7.825 | 14.60W | • | 6.035 | 7.41W | | 0 | | |
| 1369 | 20500 | 50 | MB5. | 153 | | 21 | 9.305 | 16.32W | | 12.605 | 2.93W | | 12 | | |
| 1370 | 20500 | 50 | MB5 . | 153 | 13 | 40 | 9.505 | 16.81W | • | 13.605 | 33.55W | | 13 | | |
| 1371 | 20500 | 50 | MBS. | 154 | 12 | 52 | 10.015 | 22.32W | • | 6.205 | 6.80W | | 23 | | |
| 1372 | 20500 | 50 | MBS. | 155 | 0 | 42 | 11.405 | 23.43W | • | 16.005 | 4.84W | | 12 | | |
| 1373 | 20500 | 50 | MBS. | 156 | | 39 | 12.925 | 29.28W | | 0 | 0 | | 25 | | |
| 1374 | 20500 | 50 | MBS. | 156 | 14 | 56 | 13.905 | 30.69W | • | 19.905 | 55.40W | | 13 | | |
| 1375 | 20500 | 50 | MB5. | 158 | 1 | 56 | 14.105 | 39.20W | • | 16.745 | 28.44W | | 35 | | |
| 1376 | 20500 | 50 | MBS. | 158 | 15 | 10 | 14.985 | 45.76W | • | 15.695 | 48.71W | | 14 | | |
| 1377 | 20500 | 50 | MBS. | 159 | 2 | 56 | 15.145 | 49.12W | | 0 | 0 | | 11 | | |
| 1378 | 20500 | 50 | MB5 . | 159 | 14 | 24 | 15.105 | 51.45W | • | 8.045 | 22.12W | | . 12 | | |
| 1379 | 20500 | 50 | MBS. | 159 | 16 | 11 | 14.995 | 52.45W | | 19.685 | 71.68W | | 2 | | |
| 1380 | 20500 | 50 | MB5 . | 160 | 3 | 59 | 15.245 | 56.09W | • | 11.435 | 71.79W | | 1.1 | | |
| 1381 | 20500 | 50 | MBS . | 160 | 15 | 25 | 13.095 | 57.96W | • | 10.205 | 46.10W | | 12 | | |
| 1382 | 20500 | 50 | MBS. | 161 | 3 | 14 | 15.145 | 62.60W | | 19.515 | 44.27W | | 12 | | |
| 1383 | 20500 | 50 | MBS. | 101 | 16 | 26 | 14.475 | 66.59W | | 0 | 0 | | 13 | | |
| 1384 | 20500 | 50 | MB5 . | 162 | 4 | 16 | 14.625 | 68.21W | | 0 | 0 | | 12 | | |
| 1385 | 20500 | 50 | MBS. | 162 | 15 | 42 | 13.135 | 68 . 19W | • | 7.275 | 44.38W | | 1.1 | | |
| 1386 | 20500 | 50 | MBS. | 163 | 5 | 15 | 12.615 | 72.41W | • | 7.795 | 92.29W | | 14 | | |
| 1387 | 20500 | 50 | MBS. | 163 | 16 | 40 | 19.635 | 74.06W | | 17.405 | 64.76W | | 1.1 | | |
| 1388 | 20500 | 50 | MBS . | 164 | 4 | 30 | 13.975 | 77.89W | • | 16.745 | 66.46W | | 12 | | |
| 1389 | 20500 | 50 | MBS. | 164 | 17 | 43 | 12.645 | 81.64W | | 14.775 | 90.39W | | 13 | | |
| 1390 | 20500 | 50 | MBS. | 165 | 5 | 30 | 11.455 | 88.65W | • | 12.435 | 84.66W | | 12 | | |
| 1391 | 20500 | 50 | MBS. | 166 | 6 | 33 | 10.265 | 88.69W | • | 4.445 | 113.06W | | 25 | | |
| 1392 | 20500 | 50 | MBS. | 166 | 17 | 58 | 11.855 | 90.28W | | 0 | 0 | | 11 | | |
| 1393 | 20500 | 50 | MBS. | 167 | 19 | 2 | 11.385 | 92.84W | • | 17.045 | 117.27W | | 26 | | |
| 1394 | 20500 | 50 | MB5. | 168 | 6 | 45 | 11.755 | 95.38W | • | 6.925 | 114.87W | | 11 | | |
| 1395 | 20500 | 50 | MBS. | 168 | 18 | 16 | 11.955 | 97.38W | | 10.415 | 91.29W | | 12 | | |
| 1396 | 20500 | 50 | MBS. | 169 | | | 12.615 | 99.30W | • | 14.825 | 90.31W | | 12 | | |
| 1397 | 20500 | 50 | MBS. | 169 | | | 11.125 | 102.51W | • | 14.415 | 110.01M | | 13 | | |
| 1398 | 20500 | 50 | MBS. | 170 | | 2 | 12.885 | 109.92W | | 0 | 0 | | 12 | | |
| 1399 | 20500 | 50 | MBS. | 171 | | 16 | 4.045 | 104.29W | | 7.775 | 89.07W | | 23 | | |
| 1400 | 20500 | 50 | MBS. | | 19 | | 9.065 | 109.65W | • | 11.245 | 118.41W | | 13 | | |
| 1401 | 20500 | 50 | MB5. | 172 | | 15 | 11.045 | 112.90W | • | 10.045 | 114.39W | | 12 | | |
| 1402 | 20500 | 50 | MBS. | 172 | | 47 | 11.335 | 113.40W | • | 6.045 | 92.03W | | 11 | | |
| 1403 | 20500 | 50 | MBS. | 173 | | 16 | 12.335 | 114.61W | • | 5.695 | 141.49W | | 14 | | |
| 1404 | 20500 | 50 | MBS. | 173 | | 48 | 11.215 | 117.40W | | 0 | 0 | | 11 | | |
| 1405 | 20500 | 50 | MBS. | 174 | | 31 | 10.455 | 119.33W | • | 11.565 | 114.83W | | 12 | | |
| 1406 | 20500 | 50 | MBS. | 174 | | 48 | 9.035 | 123.61W | | 13.495 | 141.84W | | 13 | | |
| 1407 | 20500 | 50 | MBS. | 175 | | 5 | 8.765 | 135.98W | • | 2.205 | 109.43W | | 24 | | |
| 1408 | 20500 | 50 | MB5 . | 176 | | 5 | 12.195 | 143.33W | | 8.925 | 130.16W | | 25 | | |
| 1409 | 20500 | 50 | MBS. | 177 | | 5 | 9.795 | 147.78W | • | 11.885 | 156.26W | | 25 | | |
| 1410 | 20500 | 50 | MBS . | 178 | | 48 | 8.685 | 153.01W | | 9.605 | 149.32W | | 11 | | |
| 1411 | 20500 | 50 | MBS. | 178 | | 8 | 8.645 | 157.82W | | 13.365 | 176.78W | | 14 | | |
| 1412 | 20500 | 50 | MBS . | 179 | | 50 | 8.885 | 161.37W | | 6.535 | 170.86W | | 11 | | |
| 1413 | 20500 | 50 | MBS. | 179 | | 23 | 8.305 | 164.30W | • | 4.505 | 149.10W | | 12 | | |
| 1414 | 20500 | 50 | MBS. | - | 11 | | 7.785 | 169.59W | • | 2.315 | 168.04E | | 13 | | |
| 1415 | 20500 | 50 | MBS. | 180 | 23 | 23 | 14.165 | 179.61W | | 9.845 | 162.19W | | 12 | | |

Track of Balloon Package No. P-07 Floating at about 30 mb Launched 11 June 1970 from Ascension Island

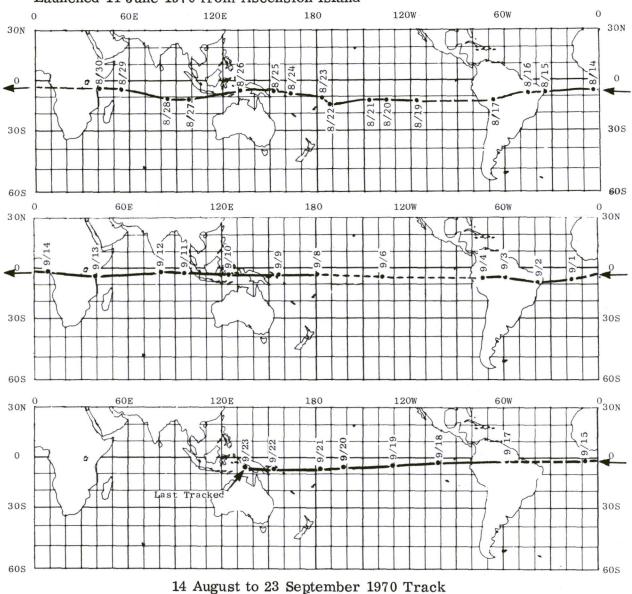
60S

60E 120E 180 120W 60W 30N 30N 0 0 30S 30S 60S 60S 120E 180 120W 60E 60W 0 30N 30N 0 30S 30S 60S 60S 60E 120E 180 120W 60W 30N 30N 30S 30S

11 June to 13 August 1970 Track

60 S

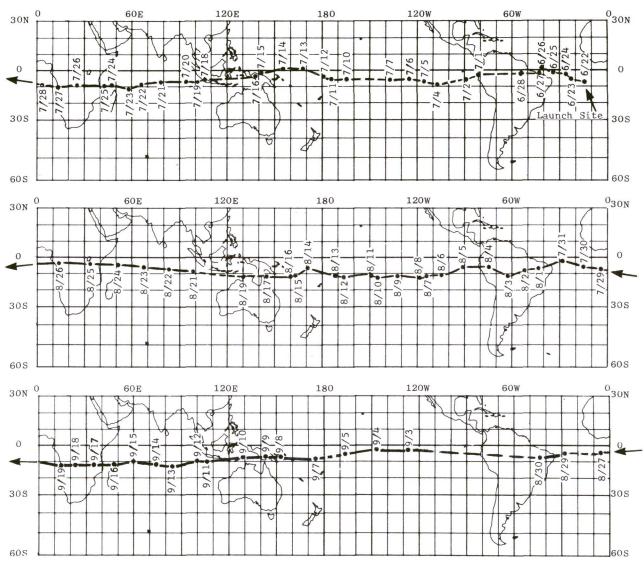
Track of Balloon Package No. P-07 Floating at about 30 mb Launched 11 June 1970 from Ascension Island



| P07 A1 | JNCHED II | JUNE | 70 | 104 D | AYS | | | | | | | | | |
|------------|-----------|----------|-------|------------|-----|-----|------------------|--------------------|------|-----------------|--------------------|------|-----------|-----|
| CARD | ADDRESS | | ITUDE | DAY | | MM | LATITUDE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA | HRS |
| 475 | 122 | 30 | MBS. | 162 | | | 7.885 | 14.69W | • | 2.505 | 6.90E | | 0 | |
| 476 | 122 | 30 | MBS. | 163 | | 38 | 7.355 | 26.13W | • | 6.475 | 29.65W | | 13 | |
| 477 | 122 | 30 | MBS. | 163 | | | 7.165 | 34.37W | • | -11N | 4.90W | | 12 | |
| 478 | 122 | 30 | MBS. | | 14 | | 7.405 | 36.08W | • | 11.765 | 53.79W | | 2 12 | |
| 479 | 122 | 30 | MBS. | 164 | | 40 | 9.40S 5.73S | 43.87W | | 0 | 0 | | 12 | |
| 480 481 | 122 | 30 30 | MBS. | 165 | | 41 | 11.965 | 57.19W | | 10.715 | 62.19W | | 12 | |
| 482 | 122 | 30 | MB5. | 165 | | | 9.455 | 75.61W | | 0 | 0 | | 13 | |
| 483 | 122 | 30 | MB5. | 166 | | 46 | 12.195 | 75.30W | | ő | o | | 12 | |
| 484 | 122 | 30 | MB5. | 166 | | | 10.905 | 78.93W | | 16.205 | 100.89W | | 13 | |
| 485 | 122 | 30 | MB5. | 167 | 17 | | 9.645 | 93.79W | | 3.095 | 66.61 W | | 24 | |
| 486 | 122 | 30 | MBS. | 167 | | 2 | 9.585 | 95.08W | • | 14.795 | 116.15W | | 2 | |
| 487 | 122 | 30 | MB5. | 169 | 7 | | 7.955 | 125.48W | • | 10.445 | 115.40W | | 36 | |
| 488 | 122 | 30 | MBS. | 170 | | 48 | 13.395 | 149.07W | • | 19.095 | 125.99W | | 25 | |
| 489 | 122 | 30 | MBS. | 170 | | 5 | 11.115 | 157.59W | • | 8.46S 17.09S | 146.83W | | 1 4 36 | |
| 490 491 | 122 | 30 30 | MBS. | 172 | | 12 | 9.445 | 176.68E 165.73E | : | 3.815 | 151.48W 173.09W | | 14 | |
| 491 | 122 | 30 | MBS. | | 13 | | 10.145 | 151.18E | - | 0 | 0 | | 13 | |
| 493 | 122 | 30 | MBS. | 174 | 2 | | 9.685 | 146.73E | | 15.165 | 124.49E | | 13 | |
| 494 | 122 | 30 | MBS. | 175 | | 57 | 8.385 | 127.35E | | 12.105 | 112.23E | | 25 | |
| 495 | 122 | 30 | MBS. | 176 | 4 | 59 | 8.175 | 107.73E | • | 9.935 | 100.64E | | 25 | |
| 496 | 122 | 30 | MB5. | 178 | 7 | 2 | 10.945 | 78.23E | | 12.945 | 70.15E | | 51 | |
| 497 | 122 | 30 | MBS. | | 19 | 1 | 13.275 | 53.11E | • | 21.045 | 84 • 86E | | 60 | |
| 498 | 122 | 30 | MBS. | 180 | | | 13.575 | 52.25E | • | 9.265 | 34.88E | | 2 | |
| 499 | 122 | 30 | MBS. | 181 | 10 | 3 | 13.345 | 44.40E | • | 20.525 | 14.37E | | 14 | |
| 500 | 122 | 30 | MBS. | 182 | | 6 | 15.085 | 32.84E | * | 23.835 | 3.49W | | 25 | |
| 501 | 122 | 30 | MBS. | 184 | 13 | | 13.945 | 7.16E | | 12.825 | 11.69E 24.38W | | 48 50 | |
| 502 503 | 122 | 30 | MBS. | 187 | 13 | | 14.355 | 23.85W | | 15.055 | 21.00W | | 12 | |
| 504 | 122 | 30 | MBS. | 187 | | | 14.255 | 26.10W | | 18.935 | 45.47W | | 13 | |
| 505 | 122 | 30 | MBS. | 188 | | 12 | 14.735 | 32.24W | | 12.205 | 42.62W | | 12 | |
| 506 | 122 | 30 | MBS . | 189 | 14 | 41 | 14.285 | 43.32W | | 12.835 | 37.42W | | 36 | |
| 507 | 122 | 30 | MBS . | 190 | 2 | | 13.545 | 49.33W | • | 7.185 | 34.27W | | 12 | |
| 508 | 122 | 30 | MBS. | 190 | | | 11.905 | 56.80W | • | 11.605 | 55.30W | | 13 | |
| 509 | 122 | 30 | MBS. | 193 | 7 | | 12.305 | 99.70W | | 5.905 | 126.20W | | 64 | |
| 510 | 122 | 30 | MBS. | 193 | | 47 | 12.545 | 106.79W | • | 10.305 | 97.72W | | 11 | |
| 511 | 122 | 30 | MBS. | 194 | | 49 | 13.465 | 121 • 24 W | * | 11.525 | 113.40W | | 25 | |
| 512 | 122 | 30 | MBS. | 195 | 7 | | 12.365 | 128.21W | : | 17.235 | 108.33W | | 12 | |
| 513 514 | 122 | 30 30 | MBS. | 196 | | 21 | 11.69S 12.32S | 150.85W 159.45W | | 5.035 | 145.80W 171.06E | | 38 14 | |
| 515 | 122 | 30 | MBS. | 197 | | | 11.915 | 166.38W | | 10.545 | 160.82W | | 11 | |
| 516 | 122 | 30 | MBS. | 199 | | | 10.765 | 178.11E | | 9.445 | 176.58W | | 25 | |
| 517 | 122 | 30 | MBS. | 200 | 0 | | 5.135 | 164.21E | | 11.985 | 165.90E | | 1 | |
| 518 | 122 | 30 | MBS. | 201 | 1 | 56 | 12.975 | 151.72E | | 13.395 | 150.05E | | 25 | |
| 519 | 122 | 30 | MBS. | 202 | 2 | 59 | 12.435 | 135.74E | | 12.585 | 135.13E | | 25 | |
| 520 | 122 | 30 | MBS. | 203 | 3 | | 6.135 | 118.45E | | 0 | 0 | | 25 | |
| 521 | 122 | 30 | MBS. | 203 | | 46 | 17.955 | 108.59E | | 22.305 | 126.69E | | 12 | |
| 522 | 122 | 30 | MBS. | 206 | 7 | 5 | 11.905 | 69.40E | | 9.905 | 79.90E | | 64 | |
| 523 | 122 | 30 | MBS. | 208 | 9 | 6 | 13.505 | 43.70E | • | 13.305 | 43.40E | | 50 | |
| 524 525 | 122 | 30 30 | MBS. | 208 | | 49 | 13.985 12.565 | 35.45E 27.15E | | 17.305 | 48.96E 28.90E | | 14 | |
| 526 | 122 | 30 | MB5. | 209 | | | 11.565 | 18.18E | | 16.085 | 36.50E | | 11 | |
| 527 | 122 | 30 | MBS. | 210 | | | 11.365 | 9.49E | | 9.985 | 15.05E | | 1.4 | |
| 528 | 122 | 30 | MBS. | 210 | | | 11.075 | 1.35E | • | 16.315 | 22.78E | | 1.1 | |
| 529 | 122 | 30 | MBS. | 211 | 0 | 39 | 11.015 | .18E | • | 4.495 | 26.64W | | 2 | |
| 530 | 122 | 30 | | 211 | | | 10.235 | 9.03W | • | 7.485 | 2.02E | | 12 | |
| 531 | 122 | 30 | MBS. | | 4 | | 6.965 | 90.68W | • | 14.325 | 59.94W | | 88 | |
| 532 | 122 | 30 | MBS. | 216 | 7 | | 9.555 | 116.32W | • | 9.145 | 117.95W | | 27 | |
| 533 | 122 | 30 | MBS. | 217 | | | 7.175 | 141.13W | * | 1.04N | 174.29W | | 27 | |
| 534 | 122 | 30 | MBS. | 218 | | | 3.245 5.465 | 166.57W | • | 17.195 | 178.87W | | 25 | |
| 535 536 | 122 | 30 30 | MBS. | 220 | 2 | | 6.655 | 154.77E | - | 6.475 3.025 | 156.69E 144.81E | | 38 25 | |
| 537 | 122 | 30 | MBS. | 222 | 9 | | 6.825 | 101.80E | | 9.795 | 84.84E | | 27 | |
| 538 | 122 | 30 | MBS. | 223 | 6 | | 5.185 | 75.68E | | 3.275 | 83.31E | | 25 | |
| 539 | 122 | 30 | MBS. | 223 | | | 4.775 | 62.78E | | 14.185 | 101.18E | | 12 | |
| 540 | 122 | 30 | MBS. | 223 | | 1 | 4.895 | 60.80E | | 2.745 | 52 • 16E | | 2 | |
| 541 | 122 | 30 | MBS. | 224 | 9 | | 5.895 | 47.18E | | 10.315 | 29.39E | | 13 | |
| 542 | 122 | 30 | MBS. | 224 | | 2 | 6.855 | 35.83E | • | 8.995 | 44.44E | | 12 | |
| 543 | 122 | 30 | MBS. | 224 | | | 6.995 | 33.90E | • | 2.445 | 4.42W | | 2 | |
| 544 | 122 | 30 | MBS. | 225 | | | 7.765 | 22.47E | • | 7.575 | 23.24E | | 12 | |
| 545 546 | 122 | 30 36 | MBS. | 225 226 | | 5 | 7.80S 7.40S | 11.09E 2.90W | : | 2.565 | 37.08E | | 12 13 | |
| 340 | 122 | 50 | WD3 . | 220 | 1.1 | Z = | / • = 0 3 | 2 . 40 M | - | 40702 | 10.035 | | 13 | |

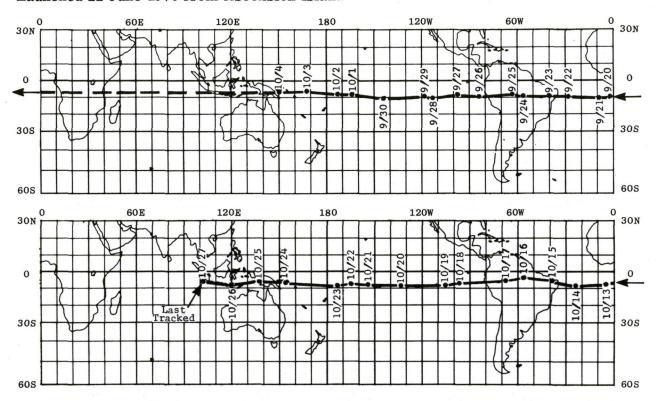
| CARD | ADDRESS | ALTITUDE | DAY HR MM | LATITUDE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA HRS |
|------------|---------|----------|------------------------|----------|------------------|------|----------------|-------------------|------|-----------|
| 547 | 122 | 30 MB5. | | 7.465 | 17.21W | | 0 | 0 | | 13 |
| 548 | 122 | 30 MB5. | 227 14 13 | 8.285 | 32.53W | • | 9.175 | 36.12W | | 14 |
| 549 | 122 | 30 MB5. | 228 59 | 9.555 | 44.48W | • | 14.715 | 22.99W | | 1.1 |
| 550 | 122 | 30 MBS. | 229 4 47 | 10.975 | 67.91W | • | 7.465 | 82.45W | | 27 |
| 551 | 122 | 30 MB5. | | 12.965 | 116.60W | • | 15.175 | 125.55W | | 64 |
| 552 | 122 | 30 MBS. | 232 7 50 | 12.845 | 125.53W | • | 14.465 | 118.90W | | !! |
| 553 | 122 | 30 MBS. | | 12.015 | 135.67W | • | 12.615 | 138.07W | | 1.4 |
| 554 | 122 | 30 MBS. | | 11.125 | 145.72W | • | 15.225 | 129.12W | | 11 |
| 555 | 122 | 30 MBS. | | 12.275 | 157 - 10W | | 0 | 0 | | 13 |
| 556 | 122 | 30 MBS. | | 13.825 | 170.71W | • | 12.205 | 164.12W | | 25 |
| 557 | 122 | 30 MBS. | | 11.875 | 177.76W | • | 16.515 | 158.90W | | 11 |
| 558 | 122 | 30 MBS. | | 9.085 | 163.65E | • | 3.105 | 139.47E | | 27 |
| 559 | 122 | 30 MBS. | 237 14 | 7.775 | 153.97E | • | 4.625 | 166.56E | | 12 |
| 560 | 122 | 30 MBS. | | 6.405 | 131.45E | • | .065 13.655 | 156.93E | | 25 38 |
| 561 562 | 122 | 30 MB5. | 239 16 45 240 17 45 | 11.565 | 99•67E 85•13F | : | 11.925 | 108.08E 92.84E | | 25 |
| 563 | 122 | 30 MBS. | 240 17 45 | 6.995 | 72.34E | • | 0 | 0 | | 14 |
| 564 | 122 | 30 MBS. | 241 20 33 | 5.035 | 56.14E | | 1.385 | 41.44E | | 13 |
| 565 | 122 | 30 MBS. | 242 8 7 | 4.105 | 41.52E | | 2.76N | 69.35E | | 12 |
| 566 | 122 | 30 MBS. | 244 0 21 | 5.955 | 4.90W | : | 3.845 | 13.33W | | 40 |
| 567 | 122 | 30 MBS. | 244 13 41 | 8.685 | 16.94W | | 13.275 | 35.63W | | 13 |
| 568 | 122 | 30 MBS. | 245 1 24 | 9.095 | 26.45W | : | 9.555 | 24.60W | | 12 |
| 569 | 122 | 30 MBS. | 245 14 42 | 9.093 | 37.55W | : | 11.335 | 45.96W | | 13 |
| 570 | 122 | 30 MBS. | 246 2 28 | 14.865 | 49.28W | | 18.085 | 36.06W | | 12 |
| 571 | 122 | 30 MB5. | 246 15 45 | 6.445 | 58.07W | | 0 | 0 | | 13 |
| 572 | 122 | 30 MBS. | 247 5 16 | 4.825 | 71.20W | | •12N | 91.35W | | 14 |
| 573 | 122 | 30 MBS . | | 1.29N | 95 · 19W | • | 1 • 53N | 96 • 15W | | 25 |
| 574 | 122 | 30 MBS. | | 21.965 | 93.11W | | 18.085 | 77 • 39W | | 11 |
| 575 | 122 | 30 MBS. | | 5.925 | 123.83W | | 11.075 | 103.04W | | 14 |
| 576 | 122 | 30 MBS. | 249 20 38 | 5.675 | 137.55W | | 2.615 | 125.30W | | 13 |
| 577 | 122 | 30 MBS. | | 10.705 | 164.36W | - | 14.245 | 178.59W | | 27 |
| 578 | 122 | 30 MBS. | | 2.745 | 178.92W | | 7.165 | 161.14W | | 12 |
| 579 | 122 | 30 MB5. | | 2.665 | 167 . 19E | | .995 | 173.87E | | 13 |
| 580 | 122 | 30 MBS. | | 2.865 | 153.29E | | .545 | 143.95E | | 13 |
| 581 | 122 | 30 MBS. | | 3.595 | 140.46E | | 3.49N | 169.06E | | 12 |
| 582 | 122 | 30 MBS. | | 3.075 | 124.63F | | 6.985 | 140.29E | | 13 |
| 583 | 122 | 30 MBS. | 254 4 18 | 3.225 | 110.58E | | 1.985 | 115.93E | | 14 |
| 584 | 122 | 30 MBS . | | 2.345 | 95.94E | | .015 | 86.60E | | 13 |
| 585 | 122 | 30 MBS . | | 2.055 | 80.86E | | 6.835 | 62.28E | | 14 |
| 586 | 122 | 30 MB5. | 256 8 8 | 2.865 | 54.33E | • | 2.155 | 57 . 19E | | 25 |
| 587 | 122 | 30 MBS. | 256 21 34 | 2.935 | 39.20E | • | .225 | 28.22E | | 13 |
| 588 | 122 | 30 MBS. | 257 10 56 | 1.395 | 22.79E | • | 5.835 | 4.98E | | 13 |
| 589 | 122 | 30 MBS. | 257 22 35 | 1.335 | 8.71E | | 5.895 | 27.03E | | 12 |
| 590 | 122 | 30 MBS. | 258 11 58 | .845 | 8.04W | | 1.94N | 3.12E | | 13 |
| 591 | 122 | 30 MBS. | 260 2 24 | 4.45N | 51.13W | | 1.875 | 25.66W | | 39 |
| 592 | 122 | 30 MBS. | 260 15 48 | .15N | 68.01W | • | 4.01N | 52.59W | | 13 |
| 593 | 122 | 30 MB5. | 261 5 14 | ·51S | 84.26W | | 2.075 | 78.08E | | 14 |
| 594 | 122 | 30 MBS. | 261 18 35 | 1.495 | 101.57W | | 0 | 0 | | 13 |
| 595 | 122 | 30 MBS. | 262 8 2 | 2.995 | 117.57W | • | .105 | 129.15W | | 1.4 |
| 596 | 122 | 30 MBS. | 262 19 37 | 3.735 | 130.18W | • | 2.73N | 104.09W | | 1.6 |
| 597 | 122 | 30 MBS. | 263 9 4 | 5.235 | 146.09W | • | 8.275 | 133.83W | | 14 |
| 598 | 122 | 30 MB5. | 263 22 25 | 5.415 | 161.53W | • | 3.805 | 155.03W | | 13 |
| 599 | 122 | 30 MBS. | | 6.705 | 176.03W | • | 3.855 | 172.52E | | 13 |
| 600 | 122 | 30 MBS. | | 6.215 | 169.485 | • | 10.675 | 151.57E | | 1.4 |
| 601 | 122 | 30 MB>. | | 6.615 | 157.27E | • | 9.115 | 167.27E | | 11 |
| 602 | 122 | 30 MBS. | 266 2 16 | 5.925 | 144.59F | | 0 | 0 | | 14 |

Track of Balloon Package No. P-11 Floating at about 50 mb Launched 22 June 1970 from Ascension Island



22 June to 19 September 1970 Track

Track of Balloon Package No. P-11 Floating at about 50 mb Launched 22 June 1970 from Ascension Island



20 September to 27 October 1970 Track

| D11 1 A11 | NCHED 22 | IUNE | 70 1 | 27 DAYS | | | | | | | | |
|------------|----------|---|--------------|-----------------------|-------|----------------|-------------------------|------|----------------|--------------------|---------|-----------|
| CARD | ADDRESS | CONTRACTOR OF THE PARTY OF THE | ITUDE | DAY HR | | LATITUDE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA HRS |
| 967 | 1404 | 50 | MBS. | 173 12 | | 8.065 | 14.21W | | 6.545 | 8.09W | 1 2 4 0 | 0 |
| 968 | 1404 | 50 | MBS. | 174 0 | | 8.655 | 15.74W | • | 11.665 | 3.55W | | 12 |
| 969 | 1404 | 50 | MBS. | | 41 | 6.195 | 22.52W | • | 8.165 | 30.46W | | 13 |
| 970 | 1404 | 50 | MBS. | | 23 | 4.925 | 22.34W | | 0 | 0 | | 12 |
| 971 | 1404 | 50 | MBS. | 175 12 | | 3.965 | 24.65W | • | •17N | 8.01W | | 11 |
| 972 973 | 1404 | 50 50 | MBS. | | 22 | 3.715 2.185 | 25.34W 29.05W | : | 2.195 | 58 • I 4 W | | 2 12 |
| 974 | 1404 | 50 | MB5. | 176 13 | | •05N | 32.13W | • | 0 | 46.60W | | 11 |
| 975 | 1404 | 50 | MB5. | 177 13 | | .51N | 40.91W | • | 9.86N | 2.77W | | 24 |
| 976 | 1404 | 50 | MBS . | 178 2 | 37 | 1.035 | 41.93W | | 0 | 0 | | 13 |
| 977 | 1404 | 50 | MBS. | 178 14 | | 1.20N | 46.20W | | 5.90N | 27 . 40W | | 12 |
| 978 979 | 1404 | 50 50 | MBS. | 170 15 | | •665 | 53.50W 80.01W | : | -41N | 48.90W | | 25 |
| 980 | 1404 | 50 | MBS. | 182 18 | | 2.215 | 80.71W | : | 2.52N 9.58S | 61.01W | | 72 |
| 981 | 1404 | 50 | MBS. | 183 17 | | 5.695 | 89.42W | | 3.325 | 79.96W | | 23 |
| 982 | 1404 | 50 | MB5. | | 15 | 9.525 | 97.72W | | 0 | 0 | | 37 |
| 983 | 1404 | 50 | MB5. | 185 19 | | 9.305 | 107.67W | • | 12.355 | 119.90W | | 13 |
| 984 | 1404 | 50 | MB5. | 186 7 | 15 | 9.095 | 111.09W | | 8.225 | 114.57W | | 12 |
| 985 | 1404 | 50 | MBS. | | 34 | 7.345 | 115.39W | • | 14.105 | 143.05W | | 12 |
| 986 | 1404 | 50 | MBS. | | 18 | 8.235 | 128.09W | | 0 | 0 | | 12 |
| 987 988 | 1404 | 50 50 | MBS. | 187 19 | | 5.815 | 124.70W | • | 3.085 | 113.73W | | 11 |
| 989 | 1404 | 50 | MBS. | 188 20 | 35 | 5.04S 7.07S | 137.21W | | 4.52S 6.28S | 131.54W 163.72W | | 25 62 |
| 990 | 1404 | 50 | MBS. | 191 22 | 9 | 6.585 | 164.21W | | 1.475 | 143.51W | | 12 |
| 991 | 1404 | 50 | MB5. | 192 23 | 9 | 5.255 | 173.17W | | 3.235 | 165.07W | | 25 |
| 992 | 1404 | 50 | MBS. | 193 10 | 51 | 3.975 | 178.66W | • | 10.165 | 153.51W | | 1.1 |
| 993 | 1404 | 50 | MBS. | | 35 | 3.805 | 179.56W | • | 2.09N | 156.74E | | 2 |
| 994 | 1404 | 50 | MBS. | | 12 | 1.485 | 174.87E | | 0 | 0 | | 12 |
| 995 996 | 1404 | 50 | MBS. | Samuel Control of the | 48 | -81N | 169.96E | • | 4.135 | 170.22W | | !! |
| 997 | 1404 | 50 50 | MBS. MBS. | | 51 | .21N | 163.23E | • | 3.355 | 155.46E 172.23E | | 14 |
| 998 | 1404 | 50 | MBS. | | 14 | •47N | 148.87E | | 1.955 | 139.16E | | 14 |
| 999 | 1404 | 50 | MBS. | | 52 | •535 | 141.62E | • | 4.235 | 156.43E | | 11 |
| 1000 | 1404 | 50 | MBS. | 197 3 | 14 | 2.755 | 139.10E | • | 7.405 | 120.38E | | 1 4 |
| 1001 | 1404 | 50 | MBS. | | 17 | 5.305 | 106.90E | • | 8.945 | 92.26E | | 50 |
| 1002 | 1404 | 50 | MBS. | (T) (1) (1) (1) (1) | 17 | 8.035 | 101.62E | | 0 | 0 | | 25 |
| 1003 | 1404 | 50 | MBS. | | 33 | 7.255 | 95.78E | | 0 | 77 015 | | 23 |
| 1004 | 1404 | 50 50 | MBS. | 202 6 | 34 | 8.495 | 85.00E 79.89F | | 9.695 | 77.01E | | 25 12 |
| 1006 | 1404 | 50 | MBS. | | 34 | 9.785 | 73.65E | | 13.475 | 58.73E | | 13 |
| 1007 | 1404 | 50 | MBS. | 203 19 | | 9.995 | 66.64E | | 0 | 0 | | 12 |
| 1008 | 1404 | 50 | MBS. | 20.4 8 | 34 | 9.795 | 60.76E | • | 14.595 | 41.18E | | 13 |
| 1009 | 1404 | 50 | MBS. | | 19 | 10.365 | 59.59E | • | 6.555 | 43.93E | | 12 |
| 1010 | 1404 | 50 | MBS. | | 35 | 9.505 | 53.28E | • | 17.935 | 18.65E | | 13 |
| 1011 | 1404 | 50 50 | MBS. | 205 21 206 8 | 51 | 9.78S 9.55S | 48.32E | : | 4.115 8.345 | 25.29E 48.78E | | 12 |
| 1012 | 1404 | 50 | MBS. | | 52 | 8.715 | 43.92E 32.27E | | 9.325 | 29.82E | | 25 |
| 1014 | 1404 | 50 | MBS. | 207 21 | | 9.255 | 26.83F | | 11.815 | 37.20E | | 12 |
| 1015 | 1404 | 50 | MBS . | 208 10 | | 8.875 | 20 .74E | • | 11.245 | 11.22E | | 13 |
| 1016 | 1404 | 50 | MBS. | 208 22 | | 10.005 | 14.66E | | 11.005 | 18.72E | | 12 |
| 1017 | 1404 | 50 | MBS. | 209 10 | 9 | 9.715 | 9.82E | • | 1.555 | 42.82E | | 12 |
| 1018 | 1404 | 50 50 | MBS. | 209 23 | 3/ | 9.225 8.685 | 3.05E 2.98W | : | 8.585 1.845 | •47E 24•72E | | 13 12 |
| 1020 | 1404 | 50 | MB5. | 210 11 | | 8.465 | 3.96W | | 13.635 | 24.99W | | 2 |
| 1021 | 1404 | 50 | MBS. | 211 0 | 38 | 7.375 | 10.03W | • | 5.905 | 15.97W | | 12 |
| 1022 | 1404 | 50 | MBS. | 211 12 | | 6.065 | 15.92W | • | .60S | 6.15E | | 12 |
| 1023 | 11404 | 50 | MBS. | 212 1 | 37 | 4.395 | 22.90W | • | 2.095 | 32.12W | | 13 |
| 1024 | 1404 | 50 | MBS. | 212 13 | | 1.975 | 28.37W | | 1.71N | 13.58W | | 12 |
| 1025 | 1404 | 50 | MBS. | 213 14 | | 7.755 | 42.12W | | 0 | 0 | | 25 |
| 1026 | 1404 | 50 | MBS. | | 45 | 8.695 | 46.36W | : | 2.725 | 71.29W | | 13 |
| 1027 | 1404 | 50 50 | MBS. | 214 15 215 2 | 59 | 9.805 | 51 • 1 9 W 56 • 40 W | | 7.66S | 48.18W | | 12 |
| 1029 | 1404 | 50 | MBS. | 215 16 | | 10.255 | 62.15W | | 11.325 | 66.46W | | 14 |
| 1030 | 1404 | 50 | MB5. | | 57 | 9.175 | 66.48W | | 10.575 | 60 . 89W | | ii |
| 1031 | 1404 | 50 | MBS. | 216 17 | | 6.965 | 74.99W | • | 9.585 | 85.56W | | 14 |
| 1032 | 1404 | 50 | MBS. | 217 5 | 1 | 5.825 | 82.78W | • | 8.015 | 73.81W | | 12 |
| 1033 | 1404 | 50 | MBS. | 217 18 | | 6.525 | 90.01W | • | 9.325 | 101.38W | | 13 |
| 1034 | 1404 | 50 50 | MBS. | 218 6 | 2 | 8.345 | 97.03W | • | 9.76S 0 | 91.21W | | 12 |
| 1035 | 1404 | 50 | MBS. | 210 7 | 2 | 11.105 | 111.51W | | 11.835 | 108.55W | | 12 |
| 1037 | 1404 | 50 | MBS. | 219 20 | | 10.995 | 113.25W | | 0 | 0 | | 13 |
| W. E. E. | 2 2 5 5 | 100 M | 0.00 | | 2 (0) | 0.000 | | | - | * T | | 200 0 |

| CARD | ADDRESS | ALTI | | DAY HR | | LATITUDE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA | HRS | |
|------|---------|------|--------------|------------------|----------|----------------|------------------|------|----------------|--------------------|------|----------|-----|---|
| 1038 | 1404 | | MBS. | 220 8 | 3 | 11.805 | 118.82W | | 0 | 0 | | 12 | | |
| 1039 | 1404 | | MBS. | 221 7 | 19 | 11.175 | 127 • 29W | : | 17.375 | 101.73W | | 23 | | |
| 1040 | 1404 | | MBS. | 221 9 | 5 | 11.135 | 127.98W | : | 5.355 9.105 | 151.71W 127.25W | | 2 | | |
| 1041 | 1404 | | MBS. MBS. | 221 20 222 8 | 19 | 10.365 | 132.35W | | 14.875 | 120.91W | | 12 | | |
| 1043 | 1404 | | MBS. | 222 21 | | 11.255 | 145.78W | | 10.775 | 143.85W | | 13 | | |
| 1044 | 1404 | | MBS. | | 20 | 11.165 | 149.33W | • | 13.425 | 140.18W | | 12 | | |
| 1045 | 1404 | | MBS. | 223 22 | 37 | 11.035 | 156.34W | • | 12.795 | 163.49W | | 13 | | |
| 1046 | 1404 | | MBS . | 224 10 | 21 | 11.855 | 161.90W | • | 12.755 | 158.24W | | 12 | | |
| 1047 | 1404 | 50 | MBS. | 224 25 | 39 | 12.275 | 167.38W | • | 15.885 | 178.03E | | 13 | | |
| 1048 | 1404 | | MBS. | 225 11 | 22 | 11.805 | 171.83W | • | 10.195 | 178.31W | | 12 | | |
| 1049 | 1404 | | MBS. | | 41 | 10.905 | 178.41W | • | 16.665 | 158.15E | | 13 | | |
| 1050 | 1404 | | MBS. | | 24 56 | 9.77S 8.95S | 176.74E | • | 6.57S 0 | 163.80F | | 11 | | |
| 1052 | 1404 | _ | MBS. | 227 13 | | 11.465 | 163.57E | | 7.025 | 145.77E | | 14 | | |
| 1053 | 1404 | | MBS. | | 58 | 11.925 | 160.77E | | 9.645 | 169.91E | | 41 | | |
| 1054 | 1404 | | MBS. | | 57 | 11.005 | 152.10E | • | 11.955 | 148.26E | | 25 | | |
| 1055 | 1404 | | MBS. | 229 13 | | 12.875 | 153.69E | | 11.105 | 146.54E | | 12 | | |
| 1056 | 1404 | | MBS. | 230 14 | 41 | 10.745 | 144.36E | | 6.445 | 126.96E | | 25 | | |
| 1057 | 1404 | 50 | MBS. | | 14 | 12.135 | 130.68E | • | 4.775 | 160.36E | | 12 | | |
| 1058 | 1404 | | MBS. | | | 12.045 | 129.83E | • | 16.755 | 110.63E | | 2 | | |
| 1059 | 1404 | | MBS. | 231 15 | | 2.705 | 126.92E | | •275 | 117.21E | | 12 37 | | |
| 1060 | 1404 | | MBS. | 233 4 233 6 | 15 | 17.715 | 108.52E | | 13.685 | 124.85E 73.07E | | 2 | | |
| 1062 | 1404 | - | MBS. | 233 17 | | 9.365 | 99.39F | | 0 | 0 | | 11 | | |
| 1063 | 1404 | | MBS. | | 17 | 8.175 | 92.26E | | 0 | o | | 12 | | |
| 1064 | 1404 | | MBS. | 234 7 | 2 | 8.225 | 90.83E | | 0 | 0 | | 2 | | |
| 1065 | 1404 | 50 | M85. | 234 18 | 47 | 8.135 | 83.21E | | 4.095 | 66.73E | | . 11 | | |
| 1066 | 1404 | | MBS. | | 19 | 7.755 | 76.87E | * | 4.385 | 90 • 4 I E | | 12 | | |
| 1067 | 1404 | | MBS . | 235 19 | | 6.095 | 68.31E | • | 2.045 | 51.97E | | 13 | | |
| 1068 | 1404 | | MBS. | 236 7 236 20 | 20 | 4.835 | 61.24E 51.15E | : | 1.655 | 74.00E 39.04E | | 12 | | |
| 1070 | 1404 | | MBS. | | 23 | 3.925 | 42.63F | | .68N | 61.17E | | 12 | | |
| 1071 | 1404 | | MBS. | 237 21 | 50 | 2.795 | 33.25E | | 1.175 | 26.73E | | 13 | | |
| 1072 | 1404 | | MBS. | 238 11 | 9 | 1.895 | 23.65E | • | 8.335 | 2.48W | | 14 | | |
| 1073 | 1404 | | MB5. | 238 22 | | 2.315 | 14.56E | | 0 | O | | 11 | | |
| 1074 | 1404 | | MBS. | 239 10 | 26 | 3.405 | 4.79E | • | 4.48N | 36.63E | | 12 | | |
| 1075 | 1404 | | MBS. | 239 23 | 53 | 5.125 | 4.72W | • | 6.655 | 1 • 47E | | 13 25 | | |
| 1077 | 1404 | | MBS. | 241 14 | | 5.10S 4.91S | 21.32W 28.91W | | 7.975 | 41.19W | | 14 | | |
| 1078 | 1404 | | MBS. | | 54 | 3.525 | 34.89W | | 1.22N | 25.66W | | 11 | | |
| 1079 | 1404 | | MBS. | 242 15 | | 8.275 | 44.64W | | 10.725 | 54.54W | | 14 | | ٠ |
| 1080 | 1404 | 50 | MBS. | 243 2 | 52 | 6.42N | 53.56W | | 2.21N | 36.70W | | .11 | | |
| 1001 | 1404 | | MBS. | | 44 | 12.55N | 115.86W | | 0 | 0 | | 77 | | |
| 1082 | 1404 | | MBS. | 246 19 | | 1.635 | 126.22W | • | 4.61N | 101.03W | | 12 | | |
| 1083 | 1404 | | MBS. | | 47 | 2.795 | 138.07W | : | 4.235 | 132.30W | | 13 | | |
| 1084 | 1404 | | MBS. | | 48 | 1.78S 3.16S | 147.94W | | 5.095 | 161.21W | | 14 | | |
| 1086 | 1404 | | MB5. | 248 23 | | 4.955 | 166.97W | | 6.145 | 171.76W | | 14 | | |
| 1087 | 1404 | | MBS. | | 13 | 7.155 | 175.70E | | 0 | 0 | | 25 | | |
| 1088 | 1404 | 50 | MBS. | 251 12 | 53 | 6.005 | 153.78E | | 10.275 | 170.96E | | 36 | | |
| 1089 | 1404 | 50 | MBS. | 251 14 | 39 | 5.995 | 152.25E | • | 1.56N | 121.77E | | 2 | | |
| 1090 | 1404 | _ | MB5. | | 15 | 6.705 | 143.72E | • | 6.135 | 145.98E | | 12 | | |
| 1091 | 1404 | | MBS. | | | 6.885 | 128.95E | | 6.555 | 130 • 25E | | 25 | | |
| 1092 | 1404 | | MBS. | 254 4 254 16 | 17 | 6.83S 9.67S | 116.15E | • | 7.715 | 112.61E | | 25 12 | | |
| 1094 | 1404 | | MBS. | | 18 | 9.875 | 105.57E | : | 14.475 | 125.20E | | 13 | | |
| 1095 | 1404 | | MBS. | | 16 | 11.055 | 90.32E | | 13.655 | 79.69E | | 25 | | |
| 1096 | 1404 | | MBS. | 256 18 | 2 | 11.465 | 84.86E | | 0 | 0 | | 12 | | |
| 1097 | 1404 | | MBS. | | 19 | 12.095 | 78.31E | • | 16.155 | 61.93E | | 13 | | |
| 1098 | 1404 | | MBS. | 257 19 | 3 | 11.235 | 74.05E | • | 9.185 | 65.73E | | 12 | | |
| 1100 | 1404 | | MBS. | | 33 | 10.735 | 68.29E | • | 4.965 | 91.70E | | 11 | | |
| 1101 | 1404 | | MBS. | 258 8 258 20 | 3 | 10.645 | 67.20E | : | 7.655 | 42.07E | | 12 | | |
| 1102 | 1404 | | MBS. | | 35 | 10.585 | 53.82E | | 5.225 | 75.52E | | 11 | | |
| 1103 | 1404 | 50 | MBS . | 259 19 | 19 | 11.265 | 47.62E | • | 19.565 | 82.02E | | 12 | | |
| 1104 | 1404 | | MBS. | | 36 | 10.085 | 41.05E | • | 5.945 | 57.74E | | 13 | | |
| 1105 | 1404 | | MBS. | 260 20 260 22 | | 10.575 | 35.49E | • | 17.595 | 64.02E | | 12 | | |
| 1106 | 1404 | | MBS. | 261 21 | 21 | 10.555 | 34.71E | : | 5.515 | 14.12E 46.00E | | 23 | | |
| 1108 | 1404 | | MBS. | 262 10 | | 12.085 | 16.91E | | 10.755 | 22.29E | | 13 | | |
| 1109 | 1404 | | MBS. | 262 22 | | 12.005 | 12.45E | | 15.285 | 25 • 92E | | 12 | | |
| 1110 | 1404 | | MBS. | | 6 | 11.885 | 11.84E | • | 3.075 | 23.93W | | 2 | | |
| 1111 | 1404 | 50 | MBS. | 263 11 | 39 | 10.265 | 5.39E | • | 10.935 | 2.67E | | 1.1 | | |

| CARD | ADDRESS | ALTIT | UDE | DAY | HR MM | LATITUDE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA | HRS |
|------|---------|-------|-------|------|-------|----------|------------------|------|----------|-----------|------|-------|-----|
| 1112 | 1404 | 50 M | ABS. | 263 | 23 24 | 10.065 | .59W | • | 12.545 | 9.47F | | 12 | |
| 1113 | 1404 | 50 M | 4BS . | 264 | 12 40 | 9.605 | 8.77W | | 10.875 | 13.90W | | 13 | |
| 1114 | 1404 | 50 M | 485. | 265 | 0 24 | 9.085 | 17.08W | • | 12.235 | 4.33W | | 12 | |
| 1115 | 1404 | 50 M | 1B5 . | 265 | 13 43 | 9.135 | 27.65W | • | 8.805 | 26.32W | • | 13 | |
| 1116 | 1404 | | 1B5 . | 266 | 1 27 | | 35.11W | • | 12.675 | 16.88W | | 12 | |
| 1117 | 1404 | | 4BS . | | 14 45 | | 40.24W | • | 9.925 | 44.18W | | 13 | |
| 1118 | 1404 | | ABS. | 267 | 2 26 | | 49.96W | • | 14.175 | 33.63W | | 12 | |
| 1119 | 1404 | | 485. | | 15 45 | | 56.48W | • | 9.505 | 58.67W | | 13 | |
| 1120 | 1404 | | ABS. | 268 | 3 31 | | 62.11W | • | 10.875 | 50.85W | | 12 | |
| 1121 | 1404 | | 1BS. | 269 | 4 32 | | 75.90W | • | 11.465 | 68.29W | | 25 | |
| 1122 | 1404 | | 1BS . | | 17 46 | | 82.64W | • | 11.325 | 93.44W | | 13 | |
| 1123 | 1404 | | 1BS . | 270 | 5 31 | | 89.79W | • | 10.185 | 84.48W | | 12 | |
| 1124 | 1404 | | 1B5 . | | 18 48 | | 97.70W | • | 11.135 | 109.26W | | 13 | |
| 1125 | 1404 | | 485. | 271 | 6 33 | | 104.62W | • | 10.055 | 100.33W | | 12 | |
| 1126 | 1404 | | 1B5 . | | 19 50 | | 111.76W | • | 12.935 | 125.10W | | 13 | |
| 1127 | 1404 | | 185. | 272 | 7 33 | | 117.70W | | 0 | 0 | | 12 | |
| 1128 | 1404 | | 185. | 273 | 8 35 | | 132.68W | • | 10.025 | 133.76W | | 25 | |
| 1129 | 1404 | | MBS. | | 21 52 | | 143.18W | • | 12.885 | 154.88W | | 13 | |
| 1130 | 1404 | | MBS. | 274 | 9 37 | | 151.96W | • | 10.115 | 144.72W | | 12 | |
| 1131 | 1404 | | 4B5 . | | 22 54 | | 163.18W | • | 8.185 | 167.40W | | 13 | |
| 1132 | 1404 | | MBS. | | 10 37 | | 172.71W | • | 11.845 | 154.82W | | 12 | |
| 1133 | 1404 | | MBS. | | 11 37 | | 168.71F | • | 12.635 | 166.88W | | 25 | |
| 1134 | 1404 | | MBS. | 277 | 0 58 | | 158.85E | • | 5.185 | 168.62E | | 13 | |
| 1135 | 1404 | | 485. | | 14 26 | | 149.71E | • | 2.355 | 130.19E | | 14 | |
| 1136 | 1404 | | 4B5 . | | 11 56 | | 4.81W | • | 5.415 | 2.71E | | 213 | |
| 1137 | 1404 | | 4BS . | | 13 40 | | 5.81W | • | 17.015 | 47.30W | | 2 | |
| 1138 | 1404 | | 4B5 . | 287 | | | 22.63W | • | 4.565 | 10.20W | | 24 | |
| 1139 | 1404 | | 4B5. | 288 | 0 38 | | 30.28w | : | 14.365 | •86E | | 11 | |
| 1141 | 1404 | | 4BS. | | 13 59 | | 31.48W | : | 2.415 | 48.74W | | 11 | |
| 1142 | 1404 | | 185 • | 289 | 3 28 | | 38.56W 47.68W | • | 2.315 | 26 • 10k | | 14 | |
| 1143 | 1404 | | 185 · | 289 | | | 57.52W | | •68N | 38.84W | | 12 | |
| 1144 | 1404 | | 1B5. | 290 | 4 32 | | 67.59W | | 3.135 | 73.70W | | 13 | |
| 1145 | 1404 | | 185. | 291 | 5 31 | | 86.73W | - | 0 | 0 | | 25 | |
| 1146 | 1404 | | 185. | 2000 | 18 50 | | 96.88W | | 10.355 | 110.98W | | 13 | |
| 1147 | 1404 | | 185. | 291 | 6 33 | | 105.08W | | 9.065 | 99.65W | | 12 | |
| 1148 | 1404 | - | 185. | 293 | 7 33 | | 122.97W | | 10.425 | 112.74W | | 25 | |
| 1149 | 1404 | | 485. | | 20 52 | | 135.14W | | 8.065 | 134.30W | | 13 | |
| 1150 | 1404 | | 4B5. | 294 | 8 35 | | 143.52W | | 12.785 | 123.40W | • | 12 | |
| 1151 | 1404 | | 1B5. | | 21 55 | | 154.26W | 7. | 5.835 | 146.49W | | 13 | |
| 1152 | 1404 | | 4B5. | | 11 22 | | 165.19W | | 2.935 | 176.46E | | 14 | |
| 1153 | 1404 | | 185. | | 12 24 | | 174.40E | | 6.165 | 165.13E | | 25 | |
| 1154 | 1404 | | 185. | 297 | 1 45 | | 164.27E | | 12.845 | 141.63E | | 13 | |
| 1155 | 1404 | | 185. | | 13 24 | | 154.00E | | 6.875 | 155.18E | | 12 | |
| 1156 | 1404 | | 1B5 • | 298 | 2 44 | 7.535 | 146.33E | : | 11.895 | 128.77E | | 13 | |
| 1157 | 1404 | | 185. | | 14 26 | | 137 • 99F | : | 7.935 | 140.08E | | 12 | |
| 1158 | 1404 | | 1BS • | 299 | 3 45 | | 127 • 18E | | 10.325 | 116.94E | | 13 | |
| 1159 | 1404 | | 1BS . | | 15 29 | | 119.615 | | 9.605 | 127.29E | | 12 | |
| 1160 | 1404 | | 1B5 • | 300 | 4 48 | | 110.34E | | 8.895 | 102.55E | | 13 | |
| 1161 | 1404 | | 185. | | 16 31 | 6.555 | 102.31E | | 0 | 0 | | 12 | |
| | | | | | | | | | | | | | |

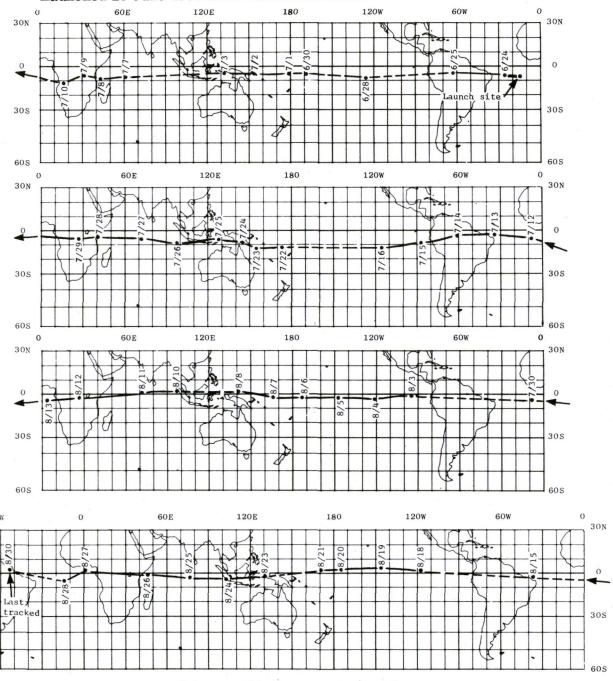
Track of Balloon Package No. P-03 Floating at about 30 mb Launched 23 June 1970 from Ascension Island

30N

0

30S

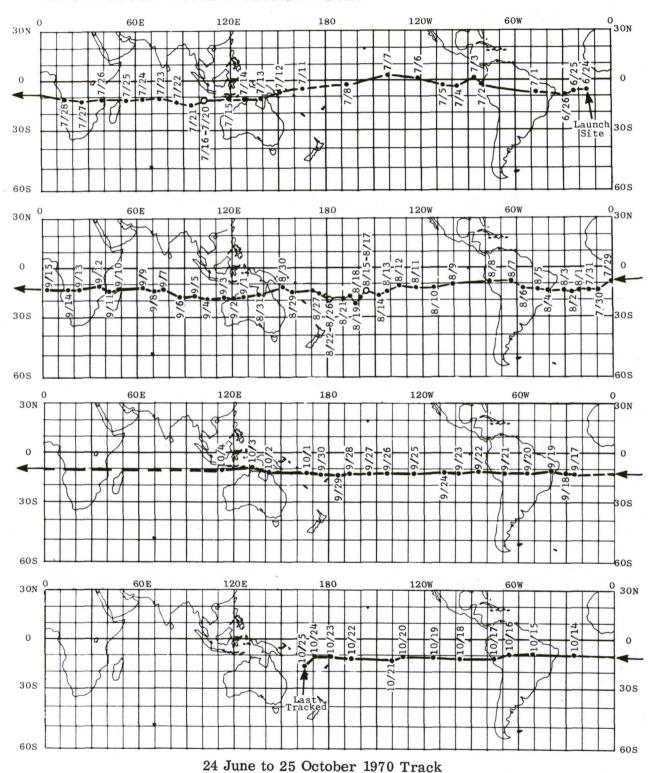
60S



23 June to 30 August 1970 Track

| P03 LA | UNCHED 2 | 3 JU | NE 70 | 67 (| DAYS | | | | | | | | |
|------------|------------|----------|--------------|------|---------------|----------|--------------------|------|-----------------|--------------------|------|-----------|-----|
| CARD | ADDRESS | | ITUDE | | HR MM | LATITUDE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA | HRS |
| 210 | 31 | 30 | MBS. | 175 | | | 25.84W | • | 7.675 | 22.71W | | 0 | |
| 211 | 31 | 30 | MBS. | | 14 41 | 6.075 | 39.90W | • | 7.095 | 44.00W | | 13 | |
| 212 | 31 | 30 | MB5. | | 15 46 | | 63.70W | • | 1.935 | 52.49W | | 25 64 | |
| 213 | 31 | 30 | MBS. | 179 | 7 13 | | 124.09W | : | 10.38S 9.63S | 100.80W | | 2 | |
| 215 | 31 | 30 | MB5. | 181 | | | 169.31W | • | 0 | 0 | | 50 | |
| 216 | 31 | 30 | MBS . | 182 | 0 27 | | 179.66E | • | 8.995 | 165.52E | | 13 | |
| 217 | 31 | 30 | MBS . | 183 | 1 27 | | 161.81E | • | 6.945 | 151.96E | | 25 | |
| 218 | 31 | 30 | MB5. | 183 | | | 153.51E | • | 8.265 | 165.64E | | 12 | |
| 219 | 31 | 30 | MBS. | 184 | 2 27 | | 148.95E | • | 9.675 | 135.26E | | 13 | |
| 220 | 31 | 30 | MBS. | 184 | | | 131.90E | • | 9.82S 6.55S | 156.62E 51.58E | | 102 | |
| 221 | 3 i 3 i | 30 30 | MBS. | 188 | | | 60.26E | | 7.685 | 37 • 74E | | 25 | |
| 223 | 31 | 30 | MBS. | | 10 21 | | 31.58E | | 11.175 | 15.63E | | 13 | |
| 224 | 31 | 30 | MBS. | | 11 21 | | 18.66E | • | 15.205 | .24W | | 25 | |
| 225 | 31 | 30 | MBS. | 193 | 0 7 | | 1.22E | • | 4.875 | 11.41W | | 37 | |
| 226 | 31 | 30 | MBS. | | 11 40 | | 8.12W | • | •535 | 14.05E | | 11 | |
| 227 | 31 | 30 | MBS. | 194 | 1 7 | | 20.46W | • | 4.945 6.375 | 19.62W | | 14 | |
| 228 229 | 3 i 3 i | 30 30 | MBS. MBS. | 195 | 14 25 | | 32.50W 44.93W | | 7.945 | 26.21W | | 12 | |
| 230 | 31 | 30 | MBS. | | 15 29 | | 60.21W | | 1.005 | 49.20W | | 13 | |
| 231 | 31 | 30 | MBS. | 196 | 4 58 | | 74.52W | | 5.205 | 81.10W | | 13 | |
| 232 | 31 | 30 | MBS. | 196 | 18 16 | | 86.97W | • | 12.995 | 102.39W | | 14 | |
| 233 | 31 | 30 | MBS. | 197 | 6 2 | | 96.30W | • | 11.205 | 92.40W | | 12 | |
| 234 | 31 | 30 | MBS. | | 19 19 | | 115.28W | • | 9.485 | 104.91W | | 13 | |
| 235 | 31 | 30 | MBS. | 203 | 0 24 | 12.205 | 173.12E | • | 11.975 | 174.04E | | 125 25 | |
| 236 237 | 3 i 3 i | 30 30 | MBS. | 204 | 1 27 | | 156.42E 153.77E | | 6.60S | 157.40E 161.29E | | 12 | |
| 238 | 31 | 30 | MBS. | 205 | 2 27 | | 145.13E | | 10.885 | 139.79E | | 13 | |
| 239 | 31 | 30 | MBS. | 206 | 3 29 | | 128.39E | • | 8.315 | 124.68E | | 25 | |
| 240 | 31 | 30 | MBS. | | 15 11 | 7.075 | 124.65E | | 0 | 0 | | 12 | |
| 241 | 31 | 30 | MBS. | 207 | 4 30 | | 107 . 12E | • | 7.605 | 115.69E | | 13 | |
| 242 | 31 | 30 | MBS. | | 16 13 | | 98.06E | • | 16.545 | 125.59E | | 12 | |
| 243 | 31 | 30 | MBS. | 208 | 5 34 | | 86.00E 72.18E | : | 3.905 6.085 | 104.90E 70.54E | | 13 | |
| 244 | 3 i 3 i | 30 30 | MBS. | 208 | 19 1 | 5.195 | 116.77E | • | 2.60N | 148.28E | | 10 | |
| 246 | 31 | 30 | MBS. | 209 | | | 42.77E | | 10.645 | 68.76E | | 17 | |
| 247 | 31 | 30 | MBS. | 209 | | | 40.55E | | 0 | 0 | | 2 | |
| 248 | 31 | 30 | MBS. | 210 | 9 23 | | 27.90E | • | .405 | 46.35E | | 12 | |
| 249 | 31 | 30 | MBS. | 211 | | | 9.94W | • | 7.445 | 7.52E | | 38 | |
| 250 | 31 | 30 | MBS. | 215 | 6 30 | | 94.54W | • | 1.90N | 104.16W | | 79 25 | |
| 251 252 | 3 i 3 i | 30 30 | MBS. | 216 | 7 31 20 53 | | 120.71W 134.96W | • | 6.02S 0 | 111.33W | | 13 | |
| 253 | 31 | 30 | MBS. | 217 | 8 33 | | 146.25W | | 10.095 | 117.24W | | 12 | |
| 254 | 31 | 30 | MBS. | 217 | | | 147.93W | • | 1.93N | 166.16W | | 2 | |
| 255 | 31 | 30 | MBS . | | 11 18 | | 172.47W | • | 1.66N | 171.25W | | 25 | |
| 256 | 31 | 30 | MBS . | | 12 20 | | 166.15E | • | 1.045 | 178.82E | | 25 | |
| 257 | 31 | 30 | MBS. | 220 | | | 140.36E | • | 5.2IN | 121 • 46E | | 27 38 | |
| 258 259 | 3 i | 30 | MBS. | 222 | 6 37 | | 97.90E 71.49E | | .63S | 89.47E | | 25 | |
| 260 | 31 | 30 | MBS. | 224 | 9 24 | | 43.51E | | 4.645 | 30.61E | | 27 | |
| 261 | 31 | 30 | MBS. | 224 | - | | 32.12E | | 6.665 | 49.87E | | 12 | |
| 262 | 31 | 30 | MBS. | | 10 24 | | 18.10E | • | 1.695 | 25.13E | | 13 | |
| 263 | 31 | 30 | MBS. | | 23 51 | | 4.41E | • | 1.025 | 5.64W | | 13 | |
| 264 | 31 | 30 | MBS. | 227 | 0 51 | | 22.79W | | | 0 | | 25 | |
| 265 | 31 | 30 | MBS. | | 14 15 | | 37.73W | • | 1.445 | 34.30W | | 14 | |
| 266 267 | 31 | 30 30 | MB5. | | 19 7 | | 118.35W | • | 5.32N .78N | 101.79W 157.16W | | 77 26 | |
| 268 | 31 | 30 | MBS. | | 22 57 | | 174.39W | | 6.23N | 161.36W | | 25 | |
| 269 | 31 | 30 | MBS. | | 12 20 | | 170.87E | • | 1.43N | 174.46E | | 14 | |
| 270 | 31 | 30 | MBS. | 235 | | | 130.26E | | 1 - 46N | 141.27E | | 38 | |
| 271 | 31 | 30 | MBS. | 236 | | | 103.46E | • | 7.425 | 86.41E | | 27 | |
| 272 | 31 | 30 | MBS. | | 6 35 | | 76.61E | • | 1.095 | 80.81E | | 25 | |
| 273 | 31 | 30 | MBS. | 238 | | | 46.36E 31.46E | • | 5.315 | 27.41E | | 27 | |
| 274 275 | 3 i 3 i | 30 30 | MBS. | | 21 2 | | 14.90E | | 5.095 3.50N | 51.12E 25.72E | | 12 | |
| 276 | 31 | 30 | MBS. | | 23 51 | | •11E | • | 1.09N | •02E | 46 | 13 | |
| 277 | 31 | 30 | MBS . | 240 | 13 12 | 5.665 | 13.23W | • | 8.795 | 25.81W | | 14 | |
| 278 | 31 | 30 | MBS. | 242 | 3 40 | 1.83N | 52 . 17W | • | 4.22N | 61.67W | | 38 | |
| | | | | | | | | | | | | | |

Track of Balloon Package No. P-02 Floating at about 50 mb Launched 24 June 1970 from Ascension Island

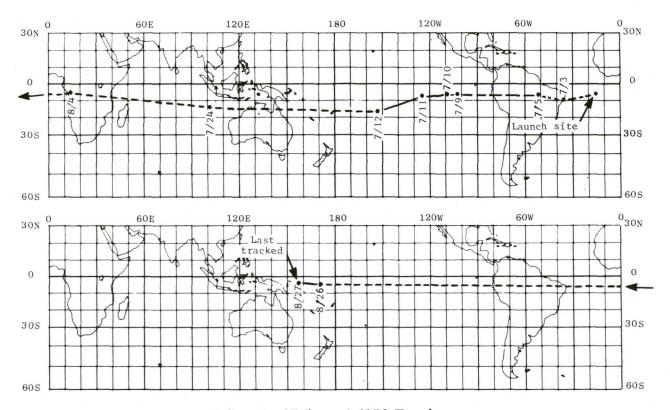


| PO2 LA | UNCHED 24 | JUNE | 70 | 123 | AYS | | | | | | | | |
|----------|-----------|----------|--------------|-----|--------|----------|-----------------|--------------------|------|------------------|--------------------|------|-----------|
| CARD | ADDRESS | ALT | ITUDE | DAY | HR | MM | LATITUDE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA HRS |
| 15 | 141 | 50 | MBS. | 175 | 12 | 55 | 7.445 | 14.94W | | 0 | 0 | | 0 |
| 16 | 141 | 50 | MBS. | 176 | | 37 | 7.315 | 18.27W | • | 9.875 | 7.96W | | 12 |
| 17 | 141 | 50 | MB5. | | 13 | | 8.005 | 23.13W | • | 11.295 | 36.31W | | 12 |
| 18 | 141 | 50 | MBS . | 177 | 13 | 38 | 9.035 | 26.73W | • | 8.175 | 30.18W | | 12 |
| 20 | 141 | 50 50 | MBS. | 178 | | 53 | 9.915 | 28.56W 30.58W | | 5.045 16.165 | 9.04W 5.52W | | 12 |
| 21 | 141 | 50 | MBS. | 180 | | 56 | 8.105 | 47.52W | - | 0 | 0 | | 48 |
| 22 | 141 | 50 | MB5. | 181 | | 59 | 1.02N | 69.79W | | ŏ | ō | | 24 |
| 23 | 141 | 50 | MBS. | 183 | 17 | 32 | .735 | 80.63W | • | 3.095 | 90.03W | | 62 |
| 24 | 141 | 50 | MBS. | 184 | | 13 | .37N | 85.64W | | 2.295 | 74.90W | | 12 |
| 25 | 141 | 50 | MBS. | 185 | | 14 | 3.855 | 92.70W | • | 2.105 | 99.40W | | 25 |
| 26 27 | 141 | 50 50 | MBS. | 186 | 7 8 | 14 | 2.67S 1.40N | 105.96W 121.86W | : | .165 3.20N | 116.07W 129.04W | | 25 25 |
| 28 | 141 | 50 | MB5. | 188 | | 16 | 2.29N | 140.78W | - | 0 | 0 | | 25 |
| 29 | 141 | 50 | MBS. | 189 | | | 2.405 | 163.87W | | 3.91N | 138.45W | | 36 |
| 30 | 141 | 50 | MBS . | 191 | 12 | 18 | 4.605 | 174.82E | | 3.03N | 168.57E | | 4 C |
| 31 | 141 | 50 | MBS. | 192 | 1 | 43 | 5.105 | 167.51E | • | 12.005 | 139.71E | | 13 |
| 32 | 141 | 50 | MBS. | 193 | 0 | 57 | 7.985 | 156.03E | • | 3.755 | 172.91E | | 23 |
| 33 | 141 | 50 50 | MBS. | 193 | | | 8.615 | 151.27E | • | 15.825 | 179.62E | | 12 |
| 34 35 | 141 | 50 | MBS. | 194 | 13 | 59 38 | 9.275 | 144.92E 139.77E | : | 6.86S 15.50S | 154.52E 160.78E | | 14 |
| 36 | 141 | 50 | MB5. | 195 | | 54 | 10.705 | 135.08E | | 0 | 0 | | 13 |
| 37 | 141 | 50 | MB5. | 195 | | | 11.415 | 128.94E | | 14.385 | 140.95E | | 12 |
| 38 | 141 | 50 | MBS. | 196 | | 57 | 11.865 | 123.20E | • | 13.355 | 117.12E | | 13 |
| 39 | 141 | 50 | MBS. | 196 | | 44 | 11.405 | 119.62E | • | 11.575 | 120.28E | | 12 |
| 40 | 141 | 50 | MBS. | 197 | 5 | 1 | 8.715 | 113.64E | • | 13.315 | 95 • 19E | | 1.4 |
| 41 | 141 | 50 | MBS. | | 16 | | 10.925 | 104.76E | | 0 | 0 | | 11 |
| 42 43 | 141 | 50 50 | MB5. | 198 | 17 | 13 | 11.755 | 104.55E | | 6.42S 5.75S | 126.25E 76.15E | | 12 13 |
| 44 | 141 | 50 | MBS. | 199 | | 15 | 11.655 | 103.73E | : | 12.935 | 98.32E | | 12 |
| 45 | 141 | 50 | MB5. | 200 | 4 | 25 | 13.855 | 105.64E | | 10.595 | 119.24E | | 23 |
| 46 | 141 | 50 | MBS. | 201 | 5 | 30 | 12.495 | 103.28E | | 15.375 | 91.60E | | 25 |
| 47 | 141 | 50 | MBS. | 202 | | 29 | 13.945 | 95.16E | • | 19.785 | 119.04E | | 34 |
| 48 | 141 | 50 | MBS. | 203 | 5 | 46 | 2.735 | 94.86E | | 4.625 | 87.27E | | 13 |
| 49 | 141 | 50 | MBS. | 203 | | 32 | 13.445 | 87 • 37E | • | 15.825 | 93•33E | | 12 |
| 50 51 | 141 | 50 50 | MBS. MBS. | 204 | 6 | 50 32 | 6.02N 10.77S | 73.32E 75.53E | | 0 11•905 | 0 80•16E | | 13 |
| 52 | 141 | 50 | MB5. | 205 | | 50 | 9.515 | 67.68E | • | 12.255 | 56.71E | | 13 |
| 53 | 141 | 50 | MB5 . | 205 | 19 | 33 | 10.795 | 63.92F | | 10.175 | 61.42E | | 12 |
| 54 | 141 | 50 | MBS . | 206 | 8 | 49 | 11.275 | 54.35E | | 14.705 | 40.42E | | 13 |
| 55 | 141 | 50 | MB5. | 207 | 8 | 5 | 10.345 | 44.56E | • | 10.315 | 67.42E | | 24 |
| 56 | 141 | 50 | MB5 . | 207 | 9 | 51 | 10.945 | 44.94E | • | 16.675 | 19.25E | | 2 |
| 57 | 141 | 50 | MB5. | 207 | | | 10.335 | 39.26E | • | 7.035 | 25.77E | | 12 |
| 58 59 | 141 | 50 | MBS. | 208 | | | 10.385 | 32.17E 27.64F | : | 17.865 19.075 | 1.68E 56.95E | | 13 10 |
| 60 | 141 | 50 | MBS. | 208 | | | 12.055 | 26.99F | | 7.105 | 6.88E | | 2 |
| 61 | 141 | 50 | MB5. | 209 | | 6 | 11.255 | 22.45E | | 8.795 | 32.40E | | 12 |
| 62. | 141 | 50 | MB5 . | 209 | 21 | 51 | 10.485 | 16.21E | • | 16.035 | 38.82E | | 1.1 |
| 63 | 141 | 50 | MBS. | | 1.1 | 8 | 9.035 | 8 • 50E | • | 7.455 | 14.84E | | 14 |
| 64 | 141 | 50 | MBS. | 210 | | | 9.825 | •01E | • | 15.875 | 24.59E | | 11 |
| 65 | 141 | 50 50 | MBS. | 211 | | 8 | 11.335 | 6.64W 9.97W | | 9.615 | •36E | | 14 |
| 67 | 141 | 50 | MBS. | 212 | | | 13.155 | 13.01W | | 15.375 | 2.77E 21.98W | | 11 |
| 68 | 141 | 50 | MBS. | 213 | 0 | | 13.175 | 16.67W | | 0 | 0 | | 17 |
| 60 | 141 | 50 | MBS. | 213 | | | 14.625 | 20.49W | | 0 | 0 | | 12 |
| 70 | 141 | 50 | MBS. | 214 | | | 16.295 | 22.47W | • | 22.965 | 5.46E | | 12 |
| 71 | 141 | 50 | MBS. | | . 1 | | 16.715 | 22.75W | | 11.275 | 45.24W | | 2 |
| 72 73 | 141 | 50 | MBS. | 214 | | | 16.355 | 23.15W 23.47W | | 15.28S 27.08S | 18.77W | | 12 |
| 74 | 141 | 50 | MBS. | 215 | 13 | | 15.465 | 25.92W | : | 16.835 | 69.55W 20.38W | | 2 |
| 75 | 141 | 50 | MB5. | 215 | | | 14.455 | 30 . 19W | | 17.415 | 42.17W | | 13 |
| 76 | 141 | 50 | MB5. | 216 | 2 | | 14.115 | 34.58W | | 12.595 | 40.83W | | 12 |
| 77 | 141 | 50 | MBS. | 216 | | | 13.885 | 39.69W | | 7.285 | 12.62W | | 1.1 |
| 78 | | 50 | MBS. | 216 | | | 14.075 | 40.52W | • | 19.335 | 62.22W | | 2 |
| 79 | 141 | 50 | MBS. | 217 | . 3 | | 14.465 | 43.73W | • | 10.105 | 61.79W | | 12 |
| 80 | | 50 50 | MBS. | 217 | 2 | | 13.135 | 47.36W | • | 10.105 | 35.02W | | 11 |
| 82 | 141 | 50 | MBS. | 218 | | | 12.215 | 51.76W 56.35W | • | 18.255 | 32.64W 0 | | 12 13 |
| 83 | 141 | 50 | MBS . | 219 | 3 | | 9.585 | 62.13W | | 12.445 | 50.53W | | 12 |
| 84 | 141 | 50 | MBS. | 220 | 4 | 31 | 9.745 | 77.88W | | 0 | 0 | | 25 |
| 85 | 141 | 50 | MBS. | 221 | 5 | 32 | 9.215 | 92.11W | • | 11.765 | 81.60W | | 25 |
| | | | | | | | | | | | | | |

| CARD | ADDRESS | ALT | ITUDE | DAY | HR M | M | LATITUDE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA HRS |
|-------|---------|-----|--------|-----|------|----|----------|-----------|------|----------|-----------|------|-----------|
| 86 | 141 | 50 | MBS. | 221 | 18 4 | | 10.395 | 100.04W | | 11.685 | 105.26W | | 13 |
| 87 | 141 | 50 | MBS. | 222 | 6 3 | | 11.425 | 106.16W | | 13.135 | 99.16W | | 12 |
| 88 | 141 | 50 | MB5. | | 19 4 | | 11.935 | 112.66W | | 14.305 | 122.23W | | 12 |
| 89 | 141 | 50 | MBS. | 223 | 7 3 | | 12.135 | 117.91W | | 0 | 0 | | 12 |
| 90 | | 50 | MBS. | | | 0 | 11.945 | 123.07W | | 16.575 | 141.89W | | 13 |
| | 141 | | | | | | | | | | | | 0.17 |
| 91 | 141 | 50 | MBS. | 224 | | 5 | 11.575 | 127.26W | • | 8.895 | 138.23W | | 12 |
| 92 | 141 | 50 | MBS. | | | 5 | 11.065 | 134.30W | | 0 | 0 | | 12 |
| 93 | 141 | 50 | MBS. | 225 | 7 4 | | 14.445 | 140.44W | | 0 | 0 | | 11 |
| 94 | 141 | 50 | MBS. | 225 | 9 3 | 5 | 14.935 | 141.13W | • | 11.135 | 156.48W | | 2 |
| 95 | 141 | 50 | MBS . | 225 | 21 | 6 | 16.085 | 142.74W | • | 12.885 | 129.84W | | 12 |
| 96 | 141 | 50 | MBS. | 225 | 22 5 | 1 | 16.265 | 142.94W | | 25.265 | 179.69E | | 2 |
| 97 | 141 | 50 | MBS. | 226 | 22 | 6 | 16.345 | 146.44W | | 0 | 0 | | 24 |
| 98 | 141 | 50 | MBS. | 227 | | 4 | 16.755 | 153.42W | | 0 | 0 | | 11 |
| 99 | 141 | 50 | MBS. | 228 | | 7 | 17.535 | 152.25W | | 22.035 | 133.46W | | 24 |
| 100 | 141 | 50 | MBS. | | 22 2 | | 16.745 | 154.84W | | 0 | 0 | | 13 |
| 101 | 141 | 50 | MBS. | | 11 | 7 | 19.405 | 158.89W | | 12.715 | 173.81E | | 37 |
| 102 | 141 | 50 | MBS. | | 22 3 | - | | | | 18.715 | | | |
| _ | | | | | | | 19.605 | 159.99W | | | 156.33W | | 11 |
| 103 | 141 | 50 | MBS. | | 23 3 | | 20.415 | 161.68W | • | 25.595 | 176.73E | | 25 |
| 104 | 141 | 50 | MBS. | | 22 5 | | 18.495 | 164.70W | • | 17.335 | 159.97W | | 23 |
| 105 | 141 | 50 | MBS. | | 23 5 | | 19.155 | 169.97W | | 0 | 0 | | 25 |
| 106 | 141 | 50 | MBS. | 234 | | 0 | 19.545 | 172.08W | • | 15.365 | 170.77E | | 12 |
| 107 | 141 | 50 | MBS. | 234 | | 6 | 19.435 | 172.76W | • | 16.245 | 159.58W | | 12 |
| 108 | 141 | 50 | MBS . | 235 | 10 5 | 3 | 18.455 | 174.10W | | 20.585 | 165 . 44W | | 11 |
| 109 | 141 | 50 | MBS . | 236 | 0 | 8 | 18.845 | 176.83W | | 20.865 | 174.88E | | 14 |
| 110 | 141 | 50 | MBS. | | 11 5 | | 19.065 | 178.73W | | 16.245 | 169.62E | | 11 |
| 111 | 141 | 50 | MBS. | 238 | | 22 | 19.495 | 179.17W | | 22.085 | 170.13E | | 37 |
| 112 | 141 | 50 | MBS. | | 12 1 | | 17.605 | 179.83E | | 13.805 | 164.32E | | |
| 113 | 141 | 50 | MBS. | | | 24 | 17.685 | | | | | | 12 |
| | | | MBS. | | | | | 176.19E | | 20.815 | 171.00E | | 23 |
| 114 | 141 | 50 | | 240 | 0 3 | | 16.675 | 174.17E | | 18.335 | 167.35E | | 13 |
| 115 | 141 | 50 | MBS. | | 12 2 | | 8.895 | 172.84E | | 7.565 | 167.43E | | 12 |
| 116 | 141 | 50 | MBS. | 241 | 1 4 | | 15.245 | 163.76E | • | 19.385 | 147.00E | | 13 |
| 117 | 141 | 50 | MBS. | 241 | 13 2 | | 15.175 | 159.68E | • | 12.075 | 147.15E | | 12 |
| 118 | 141 | 50 | MBS. | 242 | 0 5 | 7 | 22.105 | 155.73E | • | 16.315 | 178.99E | | 11 |
| 119 | 141 | 50 | MBS. | 242 | 2 3 | 37 | 22.165 | 155.79E | | 28.465 | 128.48E | | 1 |
| 120 | 141 | 50 | MBS . | 242 | 12 4 | 2 | 15.725 | 148.63E | | 22.835 | 178.40E | | 10 |
| . 121 | 141 | 50 | MBS. | 242 | 14 2 | 27 | 12.325 | 151.88E | | 6.145 | 126.59E | | 2 |
| 122 | 141 | 50 | MBS. | 243 | 1 5 | 6 | 22.185 | 144.19E | • . | 18.225 | 160.36E | | 11 |
| 123 | 141 | 50 | MBS. | | 13 4 | | 17.465 | 138.39E | | 22.165 | 157.55E | | 12 |
| 124 | 141 | 50 | MBS. | 244 | | 7 | 16.275 | 133.68E | | 15.255 | 137.85E | | 13 |
| 125 | 141 | 50 | MBS. | 244 | 14 4 | | 17.605 | 127.91E | | 20.035 | 137.88E | | 12 |
| 126 | 141 | 50 | MBS. | 245 | 3 5 | | 18.265 | 124 - 19E | • | 19.655 | 118.43E | | 13 |
| 127 | 141 | 50 | MB5. | | 15 4 | | 19.095 | 121.14E | | 17.415 | | | |
| 128 | 141 | 50 | MBS. | 246 | 5 | 3 | | | | | 114.25E | | 12 |
| | | | | | | | •58N | 112.74E | 21 | 4.895 | 90.70E | | 14 |
| 129 | 141 | 50 | MBS. | 246 | | 8 | 18.365 | 114.51E | • | 12.405 | 91.62E | | 11 |
| 130 | 141 | 50 | MBS. | 247 | | 13 | 17.965 | 108.89E | • | 14.215 | 124.39E | | 12 |
| 131 | 141 | 50 | MBS. | 247 | 16 | 1 | 19.375 | 104.66E | • | 23.425 | 121.43E | | 12 |
| 132 | 141 | 50 | MBS. | 248 | | 2 | 18.765 | 102.22E | • | 18.845 | 101.89E | | 13 |
| 133 | 141 | 50 | MBS. | 248 | 17 | 4 | 16.635 | 97.63E | • | 17.225 | 100.13E | | 12 |
| 134 | 141 | 50 | .MBS . | 249 | 6 1 | 6 | 17.135 | 91.71E | | 19.615 | 81.48E | | 13 |
| 135 | 141 | 50 | MBS . | 249 | 18 | 4 | 18.425 | 88.37E | • | 16.105 | 78.70E | | 12 |
| 136 | 141 | 50 | MBS. | 250 | 7 1 | 7 | 15.605 | 83.94E | | 0 | 0 | | 13 |
| 137 | 141 | 50 | MBS. | 250 | 19 | 5 | 12.995 | 77.06F | • | 9.425 | 62.35E | | 12 |
| 138 | 141 | 50 | MBS . | 251 | | 12 | 14.195 | 71.57E | | 9.585 | 90.48E | | 11 |
| 139 | 141 | 50 | MBS. | 252 | | 33 | 15.325 | 66.64E | | 0 | 0 | | 25 |
| 140 | 141 | 50 | MBS. | 252 | | 20 | 12.215 | | | 12.935 | | | |
| | | 50 | | | | | | 64.02E | | | 66.97E | | 12 |
| 141 | 141 | | MBS. | 253 | 8 3 | | 10.895 | 57.83E | • | 14.375 | 57.83E | | 13 |
| 142 | 141 | 50 | MBS. | | 20 2 | | 12.945 | 50.92E | • | 12.555 | 49.30E | | 12 |
| 143 | 141 | 50 | MBS. | 254 | 9 3 | | 14.435 | 47.01E | | 19.635 | 25.80E | | 13 |
| 144 | 141 | 50 | MBS. | | 21 2 | | 13.945 | 43.32E | | 0 | 0 | | 12 |
| 145 | 141 | 50 | MB5. | 255 | 8 5 | | 12.735 | 40.02E | | 0 | 0 | | 11 |
| 146 | 141 | 50 | MB5. | 255 | 22 2 | 23 | 11.465 | 34.14E | • | 4.955 | 7.14E | | 14 |
| 147 | 141 | 50 | MBS . | 256 | 9 5 | 52 | 10.925 | 28.29E | • | 9.655 | 33.42E | | 11 |
| 148 | 141 | 50 | MBS . | | 21 3 | | 12.955 | 22.44E | • | 16.775 | 38.51E | | 12 |
| 149 | 141 | 50 | MBS. | | 23 2 | | 13.085 | 21.71E | • | 4.995 | 11.40W | | 2 |
| 150 | 141 | 50 | MBS. | | 10 5 | | 13.185 | 16.26E | | 0 | 0 | | 11 |
| 151 | 141 | 50 | MBS. | | 22 4 | | 13.065 | 10.75E | • | 15.245 | 19.85E | | 12 |
| 152 | 141 | 50 | MBS. | 258 | 0 2 | | 12.855 | 9.75E | | 3.185 | 29.62W | | 22 |
| 153 | 141 | 50 | MBS. | | 11 5 | | 12.635 | 3.27E | | 13.785 | 1.33W | | 11 |
| 154 | 141 | 50 | MBS. | | 23 3 | | | | | 15.745 | | | |
| | | | | | | | 14.065 | 3.70W | • | | 3.09E | | 12 |
| 155 | 141 | 50 | MBS. | 260 | 0 4 | | 6.795 | 21.15W | | 10.275 | 6.86W | | 25 |
| 156 | 141 | 50 | MBS. | 261 | 1 4 | | 12.405 | 30.19W | | 0 | 0 | | 25 |
| 157 | 141 | 50 | MBS. | 262 | 0 5 | | 12.935 | 33.00W | • | 19.455 | 6.46W | | 23 |
| 158 | 141 | 50 | MBS. | 262 | 2 4 | | 12.815 | 33.58W | • | 7.245 | 56.46W | | 2 |
| 159 | 141 | 50 | MBS. | 262 | 14 1 | 3 | 10.895 | 39.31W | • | 8.485 | 29.60W | | 12 |

| CARD | ADDRESS | ALTIT | JDE DA | Y HR | MM | LATITUDE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA HRS |
|------|---------|-------|---------|------|----|----------|-----------|------|----------|-----------|------|-----------|
| 160 | 141 | | 85. 26 | | | 11.155 | 45.50W | | 16.535 | 23.39W | | 11 |
| 161 | 141 | | BS. 26 | | 14 | 11.985 | 53.97W | | 9.775 | 44.97W | | 14 |
| 162 | 141 | | 85. 26 | | 59 | 12.255 | 60.57W | | 17.385 | 39.57W | | 1.5 |
| 163 | . 141 | | B5. 26 | | 13 | 11.905 | 69.36W | | 9.695 | 60.27W | | 14 |
| 164 | 141 | | | 5 17 | | 11.335 | 84.93W | • | 9.045 | 75.68W | | 25 |
| 165 | 141 | | BS. 26 | | | 12.035 | 91.77W | | 17.415 | 69.66W | | 12 |
| 166 | 141 | | BS. 26 | | 17 | 71.665 | 97.78W | | 10.485 | 93.00W | | 13 |
| 167 | 141 | | | 7 19 | | 11.915 | 107.43W | | 13.355 | 113.25W | | 25 |
| 168 | 141 | | B5. 26 | | | 14.295 | 118.34W | • | 17.565 | 104.99W | | 12 |
| 169 | 141 | | | 8 20 | 20 | 12.235 | 125.79W | | 0 | 0 | | 13 |
| 170 | 141 | | B5 . 26 | - | | 12.075 | 134.21W | • | 15.875 | 118.78W | | 12 |
| 171 | 141 | | | 9 21 | | 12.255 | 142.79W | | 11.485 | 139.69W | | 13 |
| 172 | 141 | | B5 . 27 | | | 13.245 | 148.93W | | 16.635 | 135.30W | | 12 |
| 173 | 141 | | B5. 27 | | 24 | 12.345 | 154.38W | | 13.295 | 158.21W | | 13 |
| 174 | 141 | | | 1 10 | | 12.625 | 160.71W | | 14.435 | 153.31W | | 12 |
| 175 | 141 | | | 1 23 | | 11.905 | 167.19W | • | 14.055 | 176.02W | | 13 |
| 176 | 141 | | | 2 11 | 7 | 12.825 | 172.53W | • | 13.075 | 171.76W | | 12 |
| 177 | 141 | | B5 . 27 | | 26 | 13.065 | 179.12W | • | 16.685 | 166.25E | | 13 |
| 178 | 141 | 50 M | BS. 27 | 3 12 | 10 | 13.405 | 175.21E | | 12.065 | 169.75E | | 12 |
| 179 | 141 | | B5. 27 | | | 12.935 | 169.68E | • | 18.465 | 147.17E | | 12 |
| 180 | 141 | 50 M | B5 . 27 | 4 13 | 10 | 11.555 | 163.44E | | 8.745 | 152.13E | | 12 |
| 181 | 141 | 50 M | 85. 27 | 5 0 | 43 | 10.755 | 155.97E | • | 4.805 | 179.87E | | 12 |
| 182 | 141 | 50 M | B5. 27 | 5 14 | 12 | 12.435 | 147.52E | • | 9.835 | 136.95E | | 14 |
| 183 | 141 | 50 M | B5 . 27 | 6 1 | 44 | 11.635 | 142.13E | • | 6.275 | 163.64E | | 11 |
| 184 | 141 | 50 M | B5. 27 | 6 15 | 14 | 9.425 | 132.05E | • | 7.235 | 123.11E | | 14 |
| 185 | 141 | 50 M | B5. 27 | 7 2 | 46 | 9.815 | 123.24E | | 3.015 | 150.59E | | 1.1 |
| 186 | 141 | | B5 . 27 | | | 9.945 | 121.76E | | 14.895 | 101.46E | | 2 |
| 187 | 141 | | BS. 27 | | 16 | 11.335 | 113.88E | | 10.225 | 109.32E | | 12 |
| 188 | 141 | 50 M | BS. 28 | 7 1 | 27 | 11.335 | 27.38w | | 11.785 | 25.55W | | 225 |
| 189 | 141 | 50 M | B5 . 28 | 7 12 | 57 | 10.535 | 34.21W | • | 1.835 | 1.29E | | 11 |
| 190 | 141 | 50 M | BS . 28 | | 43 | 10.365 | 35.34W | | 13.535 | 48.23W | | 2 |
| 191 | 141 | | B5 . 28 | | 29 | 9.375 | 41.31W | | 0 | 0 | | 12 |
| 192 | 141 | 50 M | B5. 28 | 8 15 | 40 | 8.935 | 50.62W | • | 12.295 | 64.32W | | 13 |
| 193 | 141 | 50 M | B5 • 28 | 9 3 | 26 | 10.445 | 57.75W | | 0 | 0 | | 12 |
| 194 | 141 | 50 M | B5 • 28 | 9 15 | 0 | 9.975 | 66.15W | • | .745 | 28.49W | | 12 |
| 195 | 141 | | BS. 29 | | | 11.935 | 75.00W | • | 13.025 | 70.52W | | 13 |
| 196 | 141 | | BS. 29 | | 34 | 12.425 | 89.39W | • | 13.025 | 86.89W | | 25 |
| 197 | 141 | 50 M | BS. 29 | 1 18 | 49 | 11.845 | 96.89W | • | 14.745 | 108.66W | | 13 |
| 198 | 141 | | BS . 29 | | 34 | 11.905 | 103.43W | • | 11.985 | 103.09W | • | 12 |
| 199 | 141 | | | 2 19 | | 10.735 | 113.05W | • | 13.385 | 123.77W | | 13 |
| 200 | 141 | | B5. 29 | | 34 | 10.795 | 121.59W | • | 12.345 | 115.30W | | 12 |
| 201 | 141 | | | 3 20 | | 11.145 | 132.67W | • | 11.755 | 135.16W | | 13 |
| 202 | 141 | | B5 • 29 | | 36 | 12.985 | 140.22W | • | 15.795 | 128.79W | | 12 |
| 203 | 141 | | BS . 29 | | 37 | 11.515 | 155.49W | | 0 | 0 | | 25 |
| 204 | 141 | | BS . 29 | | | 11.485 | 156.81W | • | 2.635 | 167.27E | | 2 |
| 205 | 141 | | | 5 22 | | 11.625 | 164.61W | • | 11.575 | 164.44W | • | 1.0 |
| 206 | 141 | | | 6 10 | | 11.865 | 172.85W | • | 15.735 | 157.08W | | 12 |
| 207 | 141 | | | 6 23 | | 11.335 | 178.47E | • | 10.565 | 178.45W | | 13 |
| 208 | 141 | | | 7 11 | | 11.425 | 171.17E | • | 15.655 | 171.75W | | 12 |
| 209 | 141 | 50 M | BS • 29 | 8 0 | 56 | 10.685 | 163.03E | | 0 | 0 | | 37 |
| | | | | | | | | | | | | |

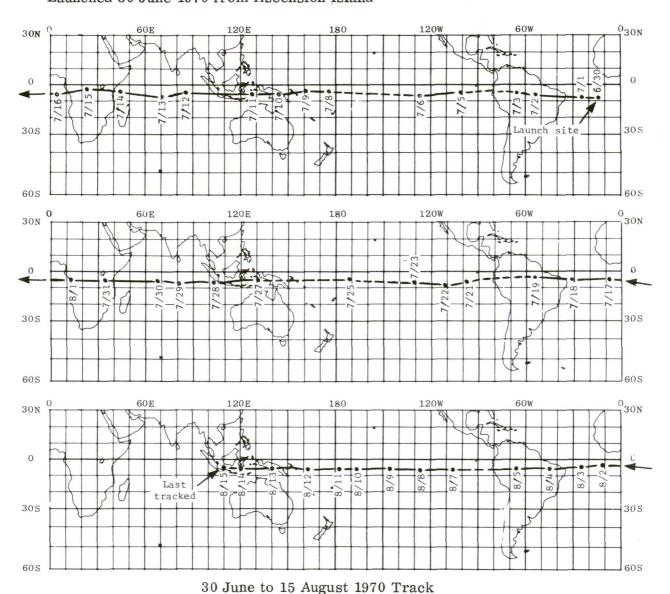
Track of Balloon Package No. P-12 Floating at about 50 mb Launched 29 June 1970 from Ascension Island



29 June to 27 August 1970 Track

| PI2 LAL | UNCHED 20 | JUNE | 70 | 57 DA | Y 5 | | | | | | | | | |
|---------|-----------|------|-------|-------|-----|----|----------|-----------|------|----------|-----------|------|-------|-----|
| CARD | ADDRESS | ALT | ITUDE | DAY | HR | MM | LATITUDE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA | HRS |
| 1162 | 2204 | 50 | MB5. | 184 | 14 | 56 | 9.715 | 36.77W | • | 13.595 | 52.47W | | 0 | |
| 1163 | 2204 | 50 | MBS . | 186 | | 57 | 7.165 | 51.06W | | 15.765 | 15.00W | | 35 | |
| 1164 | 2204 | 50 | MB5 . | 190 | 19 | 18 | 6.675 | 102.31W | • | 10.775 | 118.77W | | 114 | |
| 1165 | 2204 | 50 | MBS . | 191 | 18 | 31 | 7.115 | 109.00W | | 2.695 | 90.97W | | 23 | |
| 1166 | 2204 | 50 | MBS . | 192 | 8 | 2 | 7.365 | 124.02W | | 0 | 0 | | 14 | |
| 1167 | 2204 | 50 | MBS. | 193 | 9 | 6 | 15.155 | 152.02W | | 20.005 | 131 . 90W | | 23 | |
| 1168 | 2204 | 50 | MBS. | 205 | 16 | 1 | 12.165 | 101.85E | | 0 | 0 | | 295 | |
| 1169 | 2204 | 50 | MB5. | 216 | 21 | 51 | 5.815 | 14.66E | | 12.585 | 42.22E | | 269 | |
| 1170 | 2204 | 50 | MBS. | 238 | 12 | 6 | 3.355 | 170.94E | | 5.345 | 178.87E | | 519 | |
| 1171 | 2204 | 50 | MBS . | 239 | 1 | 28 | 2.085 | 158.46E | • | 3.525 | 152.70E | | 13 | |

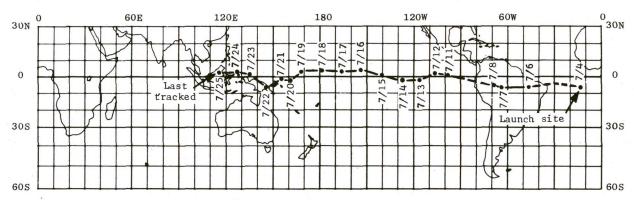
Track of Balloon Package No. P-20 Floating at about 30 mb Launched 30 June 1970 from Ascension Island



| P2 | | NCHED 30 | | | | | | | | . ONG! TURE | | 251 74 1125 |
|----|------|----------|----------|-------|--|--------------------|---------|------|----------------|------------------|------|-------------|
| | CARD | ADDRESS | | ITUDE | DAY HR M | | | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA HRS |
| | 1288 | 10410 | 30 | MBS. | 181 0 2 | | 14.39W | : | 12.845 | 4.69W | | C 13 |
| | 1289 | 10410 | 30 | MBS. | 182 1 2 | | 24.59W | • | 0 | 0 | | 12 |
| | 1291 | 10410 | 30 | MBS. | 182 14 4 | | 38.70W | | 0 | 0 | | 13 |
| | 1292 | 10410 | 30 | MBS. | 183 2 2 | | 40.19W | | 0 | 0 | | 12 |
| | 1293 | 10410 | 30 | MBS. | 183 15 4 | | 53.96W | • | 7.375 | 60.83W | | 13 |
| | 1294 | 10410 | 30 | MBS. | 184 3 2 | | 66.03W | | 0 | 0 | | 12 |
| | 1295 | 10410 | 30 30 | MBS. | 186 5 2 187 8 1 | | 100.32W | • | 11.685 | 71.37W | | 5 C 2 7 |
| | 1297 | 10410 | 30 | MBS. | 187 19 5 | | 130.50W | | .205 | 108.60W | | 12 |
| | 1298 | 10410 | 30 | MBS . | 189 23 4 | | 176.20E | . • | .07N | 171.03W | | 52 |
| | 1299 | 10410 | 30 | MBS. | 190 11 2 | | 163.50E | | 14.925 | 151.93W | | 12 |
| | 1300 | 10410 | 30 | MBS. | | 6 3.925 | 160.20E | | 0 | 0 | | 25 |
| | 1301 | 10410 | 30 30 | MBS. | 191 14 | 9 6.95S 0 4.74S | 144.12E | | 9.875 | 123.76E | | 12 |
| | 1303 | 10410 | 30 | MBS. | 193 4 3 | | 102.05F | | .705 | 118.00E | | 25 |
| | 1304 | 10410 | 30 | MBS. | 193 17 5 | | 87.33E | | 0 | 0 | | 13 |
| | 1305 | 10410 | 30 | MB5. | 194 7 1 | 9 5545 | 75.09E | • | 8.585 | 62.86E | | 1.4 |
| | 1306 | 10410 | 30 | MBS. | 194 19 | | 66.30E | • | 9.105 | 75 80E | | 12 |
| | 1307 | 10410 | 30 | MBS. | 195 8 2 | | 55.90E | • | 6.155 | 50.68E | | 13 |
| | 1308 | 10410 | 30 | MBS. | 195 20 | | 46.24E | | 8.615 3.02N | 66.24E | | 2 |
| | 1309 | 10410 | 30 | MBS. | 196 9 2 | | 34.08E | | 1.315 | 40.13E | | 12 |
| | 1311 | 10410 | 30 | MBS. | 196 22 4 | | 23.31F | • | 1.35N | 7.54E | | 13 |
| | 1312 | 10410 | 30 | MBS. | 197 10 2 | | 17.80E | • | .795 | 25.63E | | 12 |
| | 1313 | 10410 | 30 | MBS. | 197 12 1 | | 14.61E | • | 10.555 | 22.89W | | 2 |
| | 1314 | 10410 | 30 | MBS. | 197 23 5 | | 4.16E | • | 3.095 | 5.78W | | 1.1 |
| | 1315 | 10410 | 30 | MBS. | 198 11 2 | | 6.52W | • | 1.44N | 19.26E | | 12 |
| | 1316 | 10410 | 30 | MBS. | 198 13 1 | | 8.14W | • | 10.155 | 30.00W | | 2 |
| | 1317 | 10410 | 30 | MBS. | 199 14 1 | | 4.38W | | 6.445 | 39.02W | | 14 |
| | 1319 | 10410 | 30 | MBS. | 200 5 | | 41.50W | | 7.905 | 21.90W | | 11 |
| | 1320 | 10410 | 30 | MBS. | 200 15 1 | | 54.20W | | 1.505 | 47.70W | | 14 |
| | 1321 | 10410 | 30 | MBS. | 202 5 4 | 8 6.105 | 87.30W | • | 5.105 | 91.30W | | 38 |
| | 1322 | 10410 | 30 | MBS. | | 4 6.055 | 98.34W | • | 10.355 | 115.60W | | 14 |
| | 1323 | 10410 | 30 | MBS. | 203 6 4 204 7 4 | | 110.44W | | 11.645 | 101.23W | | 25 |
| | 1324 | 10410 | 30 | MBS. | 204 9 3 | | 128.69W | | .41N | 162.40W | | 2 |
| | 1326 | 10410 | 30 | MBS. | 206 23 1 | | 171.20F | | 5.16N | 152.13W | | 62 |
| | 1327 | 10410 | 30 | MBS. | | 0 3.255 | 141.87E | • | .205 | 154.08E | | 27 |
| | 1328 | 10410 | 30 | MBS. | 208 13 3 | 9 3.455 | 130.51E | • | 13.595 | 172.14E | | 11 |
| | 1329 | 10410 | 30 | MBS. | The state of the s | 0 5.195 | 116.77E | | 0 | 0 | | 14 |
| | 1330 | 10410 | 30 | MBS. | 209 16 3 | | 103.02E | • | 10.245 | 115.03E | | 13 |
| | 1331 | 10410 | 30 | MBS. | 210 5 4 | | 90.97E | | 7.475 | 92.96E 54.93E | | 14 |
| | 1333 | 10410 | 30 | MBS. | 211 6 4 | | 70.48E | | 4.475 | 81.89E | | 11 |
| | 1334 | 10410 | 30 | MBS. | 211 8 3 | | 68.78E | | 15.565 | 32.37E | | 2 |
| | 1335 | 10410 | 30 | MBS. | 212 7 5 | | 47.43F | | 2.43N | 71.68E | | 23 |
| | 1336 | 10410 | 30 | MBS. | 212 21 1 | | 34.92F | | 0 | 0 | | 14 |
| | 1337 | 10410 | 30 | MBS. | | 2 3.825 | 33.25E | | 0 | 0 | | 2 |
| | 1338 | 10410 | 30 | MB5. | 213 10 3 | | 22.41F | | 9.445 | 30.43E | | 11 |
| | 1339 | 10410 | 30 | MBS. | 213 22 2 | 0 4.965 7 4.995 | 12.22E | | 2.24N | 18.82W | | 2 |
| | 1341 | 10410 | 30 | MBS. | 214 11 4 | | •52F | | 2.195 | 4.67F | | 11 |
| | 1342 | 10410 | 30 | | 214 23 2 | | 10.68W | • | 11.105 | 22.80F | | 12 |
| | 1343 | 10410 | 30 | MBS. | 215 1 | | 12.49W | • | .43N | 26.30W | | 2 |
| | 1344 | 10410 | 30 | MBS. | 215 12 4 | | 23.09W | • | .85N | 2.88W | | 11 |
| | 1345 | 10410 | 30 | MB5. | 216 2 1 | | 34.31W | • | 3.415 | 36.34W | • | 14 |
| | 1346 | 10410 | 30 30 | MBS. | 216 13 4 | | 43.41W | : | 3.18N 8.52S | 13.79W | | 2 |
| | 1348 | 10410 | 30 | MBS. | 216 15 2 217 3 1 | | 54.57W | | 6.565 | 47.74W | | 12 |
| | 1349 | 10410 | 30 | MB5. | 217 16 3 | | 65.45W | | 6.905 | 73.30W | | 13 |
| | 1350 | 10410 | 30 | MBS. | 219 7 | | 96.21W | • | .37N | 119.42W | | 39 |
| | 1351 | 10410 | 30 | MBS. | 210 18 3 | | 106.85W | | 0 | 0 | | 1.1 |
| | 1352 | 10410 | - 30 | MBS. | 220 8 | | 118.04W | | 0 | 0 | | 14 |
| | 1353 | 10410 | 30 | MB5. | 220 21 2 | | 127.82W | • | 13.815 | 154.36W | | 13 |
| | 1354 | 10410 | 30 | MBS. | 221 9 221 20 3 | | 136.37W | • | 5.625 | 142.45W | | 12 |
| | 1356 | 10410 | 30 | MBS. | 222 10 | | 155.51W | : | .87N | 118.08W | | 14 |
| | 1357 | 10410 | 30 | MBS. | 222 23 2 | | 167.87W | | 7.855 | 177 • 49W | | 13 |
| | 1358 | 10410 | 30 | MBS. | 223 11 | | 178.37W | • | 10.455 | 162.88W | | 12 |
| | 1359 | 10410 | 30 | MBS. | 224 0 2 | 7 13.305 | 171.10E | | 12.085 | 175.97F | | 13 |
| | 1360 | 10410 | 30 | MBS. | 224 13 5 | | 162.07E | • | .69N | 135.32F | | 13 |
| | 1361 | 10410 | 30 | MBS. | 225 2 | | 153.83E | • | 3.865 | 158.42E | | 12 |
| | 1362 | 10410 | 30 | MBS. | 225 14 5 226 2 3 | | 140.90E | : | •965 •765 | 125.70E | | 13 |
| | 1364 | 10410 | 30 | MBS. | 226 15 5 | | 120.33E | | 4.025 | 148.12E | | 12 |
| | 1365 | 10410 | 30 | | 227 3 3 | | 110.04E | | 0 | 0 | | 12 |

CARD ADDRESS ALTITUDE DAY HR MM LATITUDE LONGITUDE FLAG LATITUDE LONGITUDE FLAG DELTA HRS
1366 11100 50 MBS. 182 12 59 1.70S 16.42W 0 0 C

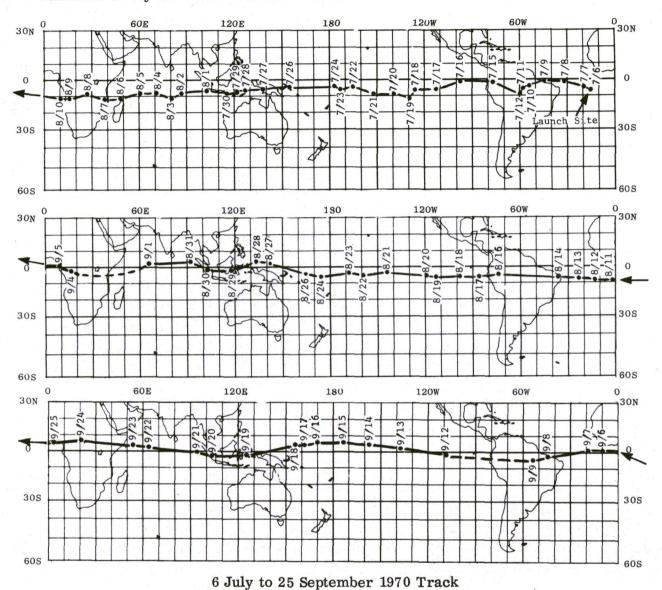
Track of Balloon Package No. P-06 Floating at about 50 mb Launched 3 July 1970 from Ascension Island



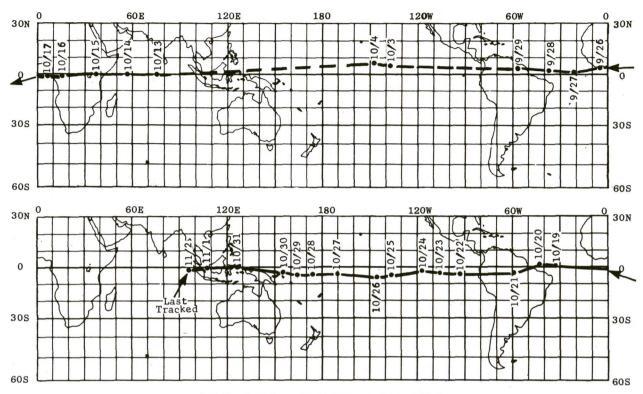
3 July to 26 July 1970 Track

| 906 LAUN | NCHED 3 J | ULY | 70 23 | DAYS | 5 | | | | | | | | | |
|----------|-----------|-----|-------|------|----|-----|----------|-----------|------|----------|-----------|------|-----------|---|
| CARD | ADDRESS | ALT | TUDE | DAY | HR | MM | LATITUCE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA HRS | , |
| 447 | 64 | 50 | MBS. | 185 | 0 | 52 | 7.095 | 12.74W | • | 5.255 | 20.15W | | 0 | |
| 448 | 64 | 50 | MBS. | 186 | | 54 | 1.905 | 35.58W | | 4.175 | 26.44W | | 25 | |
| 449 | 64 | 50 | MBS. | 187 | 2 | 55 | 6.815 | 45.70W | | 6.075 | 48.67W | | 25 | |
| 450 | 64 | 50 | MBS. | 188 | 15 | 28 | 7.665 | 64.50W | | 2.455 | 43.47W | | 37 | |
| 451 | 6.4 | 50 | MBS. | 189 | 3 | 13 | 7.195 | 67.50W | • | 14.665 | 36.66W | | 12 | |
| 452 | 64 | 50 | MBS: | 192 | 6 | 16 | .79N | 98.49W | • | .705 | 92.43W | | 75 | |
| 453 | 04 | 50 | MBS. | 193 | 7 | 14 | 1.90N | 102.20W | | 5.70N | 117.40W | | 25 | |
| 454 | 64 | 50 | MBS . | 193 | 18 | 50 | 1.90N | 104.70W | • | 1.50N | 106.30W | | 1.1 | |
| 455 | 64 | 50 | MBS. | 194 | 19 | 50 | .795 | 115.35W | | 3.075 | 124.49W | | 25 | |
| 456 | 64 | 50 | MBS. | 195 | 7 | 2.9 | .455 | 119.70W | • | 2.795 | 110.33W | | 12 | |
| 457 | 64 | 50 | MBS . | 195 | 20 | 53 | .245 | 127.47W | | 4.115 | 142.90W | | 13 | |
| 458 | 64 | 50 | MBS. | 196 | 21 | 53 | .24N | 140.89W | | 4.565 | 160.17W | | 25 | |
| 450 | 04 | 50 | MBS . | 197 | 9 | 32 | 1.69N | 147.52W | • " | . 44N | 142.49W | | 12 | |
| 460 | 64 | 50 | MBS . | 197 | 21 | 10 | 3.47N | 153.06W | • | 9.39N | 129.23W | | 12 | |
| 461 | 64 | 50 | MBS. | 198 | 10 | 32 | 2.64N | 159.96W | | 0 | 0 | | 13 | |
| 462 | 64 | 50 | MBS . | 198 | 22 | 12 | 2.53N | 166.23W | • | 7.55N | 146.05W | | 12 | |
| 463 | 64 | 50 | MBS. | 199 | 11 | 33 | 3.17N | 173.23W | • | 4.07N | 176.85W | | 13 | |
| 464 | 64 | 50 | MBS . | 199 | 23 | 13 | 3.88N | 179.58W | • | 7.81N | 163.76W | | 12 | |
| 465 | 64 | 50 | MBS . | 200 | 12 | 35 | 4.90N | 165.40F | • | 2.80N | 173.91E | | 13 | |
| 466 | 64 | 50 | MBS . | 201 | 0 | 14 | .31N | 168.12F | • | 3.24N | 179.90F | | 12 | |
| 467 | 64 | 50 | MBS . | 201 | 13 | 34 | .985 | 161.77F | | 3.06N | 145.50F | | 13 | |
| 468 | 64 | 50 | MBS. | 202 | 1 | 14 | 1.425 | 157.61E | | .565 | 161.07E | | 12 | |
| 469 | 64 | 50 | MBS. | 203 | 2 | 14 | .225 | 150.07E | | 3.175 | 138.30E | | 25 | |
| 470 | 04 | 50 | MBS. | 203 | 13 | 54 | 6.885 | 147.84F | | 0 | 0 | | 11 | |
| 471 | 64 | 50 | MBS. | 204 | 14 | 53 | 1 . 80N | 135.26F | | 2.09N | 134.11E | | 25 | |
| 472 | 64 | 50 | MBS. | 205 | 2 | 31 | 1.33N | 128.66F | | 6 . 47N | 149.26E | | 12 | |
| 473 | 64 | 50 | MBS. | 206 | 3 | 31 | 1.27N | 117.92F | | 4.26N | 129.88F | | 25 | |
| 474 | 64 | 50 | MBS. | 207 | 4 | 34 | 11.39N | 106.43F | | 1.40N | 113.00E | | 25 | |

Track of Balloon Package No. P-10
Floating at about 50 mb
Launched 6 July 1970 from Ascension Island



Track of Balloon Package No. P-10
Floating at about 50 mb
Launched 6 July 1970 from Ascension Island

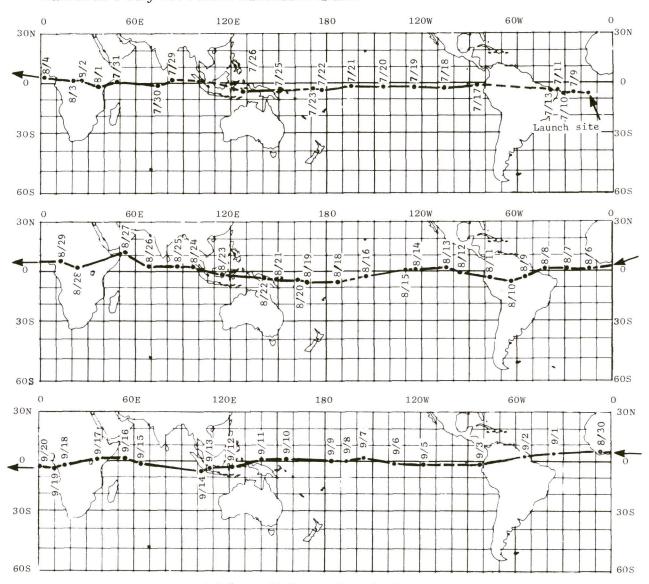


| | 10.000 | | | | _ | | | | | | | | | |
|------|------------|-------|------|-----|----|-----|----------|----------------------------------|------|-------------------|------------|------|-------|-----|
| | JUCHED 6 . | | | | | | | | | a solution of the | | | | |
| CARD | ADDRESS | ALTIT | | | HR | | LATITUDE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA | HRS |
| 796 | 1202 | 50 M | BS. | 187 | 12 | | 7.795 | 14.34W | • | 6.315 | 8.38W | | 0 | |
| 797 | 1202 | 50 M | BS. | 188 | 0 | 22 | 7.485 | 17.05W | • | 11.185 | 2.15W | | 12 | |
| 798 | 1202 | 50 M | BS. | 180 | 1 | 22 | 2.765 | 24.04W | . • | 3.115 | 22.67W | | 25 | |
| 799 | 1202 | 50 M | BS. | 189 | 13 | 1 | 0615 | 30.24W | | 5.65N | 4.86W | | 12 | |
| 800 | 1202 | 50 M | BS. | 190 | 2 | 22 | .70N | 37.80W | | 0 | 0 | | 13 | |
| 801 | 1202 | | BS. | 190 | 13 | 59 | .71N | 43.39W | | 5.87N | 22.75W | | 11 | |
| 802 | 1202 | 50 M | 85. | 191 | 15 | 0 | 2.595 | 52 . 24W | | .095 | 42.28W | | 26 | |
| 803 | 1202 | 50 M | BS. | 192 | | 30 | 4.715 | 56.99W | • | 1.16N | 81.28W | | 13 | |
| 804 | 1202 | | BS. | 193 | | 43 | 9.495 | 59.51W | | 0 | 0 | | 23 | |
| 805 | 1202 | | BS. | 196 | 5 | 1 | •23N | 76.39W | | ő | 0 | | 74 | |
| 806 | 1202 | | BS. | 197 | 6 | ó | •655 | | - | | | | | |
| | | | | | | | | 89.90W | • | -26N | 93.50W | | 25 | |
| 807 | 1202 | | BS. | 197 | | 20 | 1.115 | 97.95W | • | 7.925 | 125.40W | | 13 | |
| 808 | 1202 | | B5. | 198 | 7 | - 1 | 2.335 | 107.53W | | 0 | 0 | | 12 | |
| 809 | 1202 | | BS. | 198 | | 32 | 4.845 | 111.31W | • | .38N | 90.16W | | 11 | |
| 810 | 1202 | | BS. | 199 | 8 | 2 | 7.685 | 118.37W | | 4.975 | 129.37W | | 14 | |
| 811 | 1202 | 50 M | B5 . | 199 | 19 | 34 | 10.105 | 123.32W | | 5.825 | 106 . 04 W | | 1.1 | |
| 812 | 1202 | 50 M | BS. | 199 | 21 | 20 | 7.355 | 125.87W | • | 14.665 | 155.67W | | 2 | |
| 813 | 1202 | 50 M | BS. | 200 | 7 | 17 | 10.015 | 126.21W | • | 16.795 | 102.24W | | 10 | |
| 814 | 1202 | 50 M | BS. | 200 | 20 | 36 | 10.615 | 129.33W | | 0 | 0 | | 13 | |
| 815 | 1202 | 50 M | BS. | 201 | | 18 | 10.735 | 134.63W | | 13.445 | 123.60W | | 12 | |
| 816 | 1202 | | BS. | 201 | | 37 | 9.445 | 139.61W | | | | | | |
| | 1202 | | | | | | | the same of the same of the same | | 11.945 | 149.66W | | 13 | |
| 817 | | | BS. | 202 | | 19 | 8.965 | 144.88W | • | 9.505 | 142.69W | | 12 | |
| 818 | 1202 | | BS. | 202 | | | 9.305 | 151.46W | • | 13.425 | 168.17W | | 13 | |
| 819 | 1202 | | BS. | 203 | | | 8.105 | 156.31W | • | 6.955 | 160.98W | | 12 | |
| 820 | 1202 | 50 M | BS. | 203 | | 39 | 4.635 | 164.30W | • | 10.475 | 172.05E | | 13 | |
| 821 | 1202 | 50 M | BS. | 204 | 11 | 21 | 5.535 | 167.27W | • | 2.615 | 179.03W | | 12 | |
| 822 | 1202 | 50 M | BS. | 204 | 22 | 53 | 5.315 | 172.21W | | 2.015 | 158.93W | | 11 | |
| 823 | 1202 | 50 M | BS. | 205 | 23 | 58 | 4.465 | 174.76E | | 2.325 | 176.66W | | 25 | |
| 824 | 1202 | _ | BS. | | | 36 | 2.465 | 168.67W | | 1.25N | 176.35E | | 12 | |
| 825 | 1202 | _ | BS. | 207 | | 58 | 6.105 | 161.06E | | 4.545 | 167 • 32E | | 14 | |
| 826 | 1202 | 100 | BS. | 207 | | | 3.955 | | • | | | | | |
| 827 | 1202 | | | 208 | 2 | | | 154.00F | | 10.375 | 179.82E | | 12 | |
| | | | BS. | | | -! | 4.175 | 145.86E | • | 2.895 | 150.99E | | 14 | |
| 828 | 1202 | | BS. | 208 | 13 | 30 | 5.145 | 139.84F | • | 10.885 | 162.87E | | 1.1 | |
| 829 | 1202 | | BS. | 209 | 3 | 1 | 5.085 | 133.48E | | 0 | 0 | | 14 | |
| 830 | 1202 | | BS. | 200 | | | 7.215 | 127.92E | • | 11.095 | 143.60E | | 1.1 | |
| 831 | 1202 | 50 M | BS. | 210 | 3 | 58 | 7.895 | 124 . 44E | | 0 | 0 | | 13 | |
| 832 | 1202 | 50 M | BS. | 210 | 15 | 43 | 7.565 | 122.08E | | 6.955 | 119.62E | | . 12 | |
| 833 | 1202 | 50 M | BS. | 211 | 3 | 14 | 7.655 | 118.29E | • | 2.105 | 140.76E | | 12 | |
| 834 | 1202 | 50 M | BS. | 211 | 4 | 59 | 8.035 | 117.72E | • | 14.585 | 90.88E | | 2 | |
| 835 | 1202 | 50 M | BS. | 213 | 5 | 16 | 7.855 | 103.97E | | 0 | 0 | | 49 | |
| 836 | 1202 | | BS. | 214 | | 17 | 8.655 | 92.81F | | 12.535 | 77.14E | | 25 | |
| 837 | 1202 | | BS. | 214 | | 59 | 9.595 | 87.91E | • | 8.585 | 83.88E | | 11 | |
| 838 | 1202 | | BS. | 215 | | 18 | 10.135 | 83.91E | • | 16.795 | 56.70E | | 14 | |
| 839 | 1202 | | | | | 2 | | | - | | | | | |
| | | | 85. | | 19 | | 10.825 | 80.26E | • | 6.155 | 61.27E | | 12 | |
| 840 | 1202 | | BS • | 216 | | 32 | 9.685 | 76.73E | • | 7.755 | 84.54E | | 11 | |
| 841 | 1202 | | BS. | 216 | | 16 | 9.395 | 71.83E | • | 14.125 | 91.04E | | 12 | |
| 842 | 1202 | 50 M | BS. | 217 | 7 | 34 | 10.175 | 64.68F | • | 9.695 | 66.60E | | 13 | |
| 843 | 1202 | 50 MI | BS. | 217 | 19 | 17 | 9.625 | 61.40E | • | 12.055 | 71.26E | | 12 | |
| 844 | 1202 | 50 M | BS. | 218 | 8 | 35 | 9.115 | 54.74E | • | 11.285 | 46.00E | | 13 | |
| 845 | 1202 | 50 M | BS. | 218 | 20 | 18 | 10.165 | 49.41E | • | 10.975 | 52.66E | | 12 | |
| 846 | 1202 | 50 M | BS. | 219 | 9 | 35 | 10.625 | 44.06E | • | 14.755 | 27.20E | | 13 | |
| 847 | 1202 | | BS. | 219 | | | 10.285 | 39.60F | | 0 | 0 | | 12 | |
| 848 | 1202 | | BS. | 220 | | 51 | 10.585 | 34.29E | | 0 | Ö | | 11 | |
| 849 | 1202 | | 85. | 220 | 10 | | 10.825 | 33.58F | | 17.195 | 7.66E | | 2 | |
| 850 | 1202 | | BS. | | | | | | | | | | | |
| 851 | 1202 | | | 220 | | 52 | 9.365 | 28 • 97 F | • | 5.565 | 13.35E | | 12 | |
| | | 7 7 | BS. | | | | | 22.70E | - | 5.645 | 38 • 35E | | 1.1 | |
| 852 | | | 85. | 221 | | | 11.605 | 16.10E | • | 6.325 | 5.17W | | 14 | |
| 853 | 1202 | | BS. | 222 | | | 10.055 | 11.73E | • | 8.175 | 19.36E | | 1.1 | |
| 854 | 1202 | | BS. | 223 | 0 | | 10.095 | 4.91E | • | 3.175 | 23.46W | | 14 | |
| 855 | 1202 | | BS. | 223 | | | 9.575 | -18W | • | 9.315 | • 88E | | 1.1 | |
| 856 | 1202 | 50 M | BS. | 223 | 23 | 38 | 9.665 | 7.32W | • | 13.725 | 9.20E | | 12 | |
| 857 | 1202 | 50 M | BS. | 224 | 12 | 55 | 9.925 | 12.99W | • | 10.795 | 16.52W | | 13 | |
| 858 | 1202 | | BS. | 225 | | | 8.815 | 23.72W | | 11.955 | 36.43W | | 25 | |
| 859 | 1202 | | BS. | 226 | | 40 | 8.445 | 28.93W | | 0 | 0 | | 12 | |
| 860 | 1202 | | BS. | 226 | | | 6.805 | 36.89W | | 11.155 | 54.61W | | 13 | |
| 861 | 1202 | | BS. | 228 | | 42 | | | | | | | | |
| | | | | | | | 3.095 | 62.90W | • | 5.265 | 54.16W | | 37 | |
| 862 | 1202 | | BS. | 228 | | | 4.025 | 73.07W | • | 6.115 | 81.59W | | 13 | |
| 863 | 1202 | | BS. | 220 | | 47 | 6.315 | 80.44W | • | 9.025 | 69.21W | | 12 | |
| 864 | 1202 | | BS. | 229 | | 0 | 7.095 | 86.86W | • | 9.545 | 96.86W | | 14 | |
| 865 | 1202 | | BS. | 230 | | 4 | 7.175 | 98 - 44W | • | 11.415 | 115.54W | | 25 | |
| 866 | 1202 | | BS. | 231 | | 47 | 6.575 | 105.14W | | 0 | 0 | | 1.1 | |
| 867 | 1202 | 50 M | BS. | 231 | 20 | 4 | 6.995 | 112.25W | | 11.945 | 132.33W | | 14 | |

| CARD | ADDRESS | ALT | ITUDE | DAY | HR MM | LATITUDE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA HRS |
|------------|---------|----------|-------|------------|---------------|--|------------------|------|----------------|------------------|------|-----------|
| 868 | 1202 | 50 | MBS. | 232 | 7 46 | | 119.23W | • | 5.005 | 120.98W | | 11 |
| 869 | 1202 | 50 | MBS . | 233 | 8 47 | 1.795 | 136.00W | | 2.455 | 133.35W | | 25 |
| 870 | 1202 | 50 | MBS. | 233 | 20 22 | 2.825 | 143.89W | | 0 | 0 | | 12 |
| 871 | 1202 | 50 | MBS . | 234 | 9 49 | 3.215 | 151.93W | • | 3.995 | 148.80W | | 13 |
| 872 | 1202 | 50 | MBS. | 234 | 21 24 | 4.675 | 158.53K | • | 2.73N | 128.57W | | 12 |
| 873 | 1202 | 50 | MBS . | 234 | 23 9 | 4.835 | 159.33W | • | 9.535 | 178.40W | | 2 |
| 874 | 1202 | 50 | MBS. | 235 | 10 50 | 5.185 | 165.00W | • | 4.675 | 167.05W | • | 1.1 |
| 875 | 1202 | 50 | MBS. | 236 | 11 51 | 5.585 | 179.36W | • | 4.565 | 176.55F | | 25 |
| 876 | 1202 | 50 | MBS. | 236 | 23 26 | | 175.31F | • | .505 | 162.63W | | 12 |
| 877 | 1202 | 50 | MBS. | 237 | 12 53 | | 165.24F | | 14.45N | 150 • 17E | | 13 |
| 878 | 1202 | 50 | MBS. | 238 | 0 27 | | 164.83E | • | 1.425 | 177.06E | | 12 |
| 879 | 1202 | 50 | MBS . | 238 | 13 55 | | 157 . 47E | | 2.47N | 141.10E | | 13 |
| 880 | 1202 | 50 | MBS. | 239 | 1 30 | | 148.35E | | 7.06N | 158 • 56F | | 12 |
| 881 | 1202 | 50 | MBS. | 230 | 13 8 | | 142.33F | • | 7.135 | 177.64E | | 12 |
| 882 | 1202 | 50 | MBS. | 240 | 2 34 | | 134.21E | • | 5 · I ON | 143.02F | | 13 |
| 883 | 1202 | 50 | MBS. | 241 | 3 32 | | 119.38F | : | 2.20N | 128 • 56F | | 25 25 |
| 884 | 1202 | 50 | MBS. | 242 | 4 34 | | 103.72F | • | 2.34N 0 | 113.54F 0 | | 25 |
| 885 | 1202 | 50 | MBS. | 243 | 5 35 | | 92.59E | | •73N | 72.45E | | 25 |
| 886 | 1202 | 50 50 | MBS. | 244 | 6 37 | | 83.05E | • | 1.09N | 63.65E | | 12 |
| 887 | 1202 | 50 | MBS. | 244 | 7 38 | | 67.11E | | 2.17N | 57 • 04E | | 13 |
| 888 889 | 1202 | 50 | MBS. | 245 | | | 81.89E | | 4.565 | 51.53E | | 12 |
| 890 | 1202 | 50 | MBS. | 246 | 8 38 | | 43.31F | | 4.735 | 54 • 88E | | 13 |
| 891 | 1202 | 50 | MBS. | 247 | 9 42 | to the same of the | 29.68E | | 0 | 0 | | 25 |
| 892 | 1202 | 50 | MBS. | 247 | | | 16.98F | | 1.21N | 5.30E | | 14 |
| 893 | 1202 | 50 | MBS. | 248 | 10 41 | | 9.36F | | 3.43N | 23.66E | | 11 |
| 894 | 1202 | 50 | MBS. | 240 | 0 7 | | . 48W | | 1.18N | 7.59W | | 14 |
| 895 | 1202 | 50 | MBS. | 249 | 13 30 | | 10.124 | | 0 | 0 | | 13 |
| 896 | 1202 | 50 | MBS. | 250 | 1 7 | | 19.33W | | . 0 | 0 | | 12 |
| 897 | 1202 | 50 | MBS . | 251 | 2 7 | | 32.20W | | 6.02N | 34.54W | | 25 |
| 898 | 1202 | 50 | MBS. | 251 | 13 45 | | 44.15W | | 4.85N | 14.53W | | 1.1 |
| 899 | 1202 | 50 | MBS . | 251 | | | 45.38W | | 7.305 | 63.87W | | 2 |
| 900 | 1202 | 50 | MB5 . | 252 | 3 11 | | 52.65W | | 5.585 | 50 . 19W | | 12 |
| 901 | 1202 | 50 | MBS . | 255 | 6 15 | 1.055 | 108.81W | • | 7.105 | 85 . 44 W | | 75 |
| 902 | 1202 | 50 | MBS. | 256 | 7 16 | .93N | 127.29W | • | 6.565 | 96.93W | | 25 |
| 903 | 1202 | 50 | MBS. | 256 | 20 39 | 2.41N | 137.46W | • | 4.46N | 129.26W | | 13 |
| 904 | 1202 | 50 | MBS. | 257 | 10 4 | 3.72N | 147.27W | | 6.25N | 157.41W | | 1.4 |
| 905 | 1202 | 50 | MBS . | 257 | 21 41 | 4.98N | 155.77W | | 8.13N | 143.15W | | 1.1 |
| 906 | 1202 | 50 | MBS. | 257 | 23 27 | 5.32N | 157.09W | • | 3.445 | 167.33E | | 2 |
| 907 | 1202 | 50 | MBS. | 258 | 11 4 | 6 - 18N | 165.59W | | 7.03N | 168.96W | | 12 |
| 908 | 1202 | 50 | MBS. | 258 | | 6.04N | 172.46W | | 9.70N | 157.77W | | 1.1 |
| 909 | 1202 | 50 | MBS. | 259 | 23 45 | | 170.13E | • | 10.83N | 171.31W | | 25 |
| 910 | 1202 | 50 | MBS. | 260 | 13 6 | | 161.94E | * | 4.84N | 161.26E | | 14 |
| 911 | 1202 | 50 | MBS. | 261 | 2 32 | | 153.08F | • | 2.395 | 125.09E | | 13 |
| 912 | 1202 | 50 | MBS. | 261 | 14 6 | | 155.61E | • | 8.90N | 137.84E | | 12 |
| 913 | 1202 | 50 | MB5 . | 262 | 1 48 | | 135.90F | • | 7.50N | 163.81E | | 1.1 |
| 914 | 1202 | 50 | MB5. | 262 | 15 10 | the state of the s | 124.72E | • | 3.595 | 133.59E | | 14 |
| 915 | 1202 | 50 | MBS. | 263 | 4 31 | | 113.25E | • | 3.925 | 105.60E | | 13 |
| 916 | 1202 | 50 | MBS. | 263 | 16 15 | | 103.87F | • | 6.855 | 122.74E | | 12 |
| 917 | 1202 | 50 | MBS. | 264 | 5 35 | | 93.50F | | 0 | 0 | | 13 |
| 918 | 1202 | 50 50 | MBS. | 265 | 18 14 | | 65.21F | : | 6.845 | 101.21E | | 37 |
| 920 | 1202 | 50 | MBS. | 265 266 | 20 0 7 37 | The second second | 63.57F 53.44F | : | 4.86N 6.90N | 52.05E 69.56E | | 2 |
| 921 | 1202 | 50 | MBS. | 267 | 8 42 | | 31.07E | | 12.99N | 59.05E | | 25 |
| 922 | 1202 | 50 | MBS. | 267 | | | 21.35E | | 3.57N | 33.78E | | 14 |
| 923 | 1202 | 50 | MBS. | 268 | 11 28 | | 10.85F | | 2.32N | 2.33W | | 13 |
| 924 | 1202 | 50 | MBS. | | | | 3.08E | | .46N | 20.15F | | 12 |
| 925 | 1202 | 50 | MB5. | 269 | 23 5 12 30 | 2.95N | 5.10W | | .26N | 15.86W | | 13 |
| 926 | 1202 | 50 | MBS. | 270 | 0 5 | | 12.33W | | 2.545 | 3.34E | | 12 |
| 927 | 1202 | 50 | MBS. | | 13 31 | | 20.62W | | 1.425 | 30.08W | | 13 |
| 928 | 1202 | 50 | MBS. | 271 | 1 9 | | 27.40W | | 2.765 | 12.36W | | 12 |
| 929 | 1202 | 50 | MBS. | | 14 32 | | 36.83W | • | .045 | 45.12W | | 13 |
| 930 | 1202 | 50 | MBS. | 272 | 2 10 | | 45.79W | | 2.735 | 24.23W | | 12 |
| 931 | 1202 | 50 | MBS. | | 15 32 | | 56.19W | • | 3.43N | 57.76W | | 13 |
| 932 | 1202 | 50 | MBS. | 276 | 8 1 | | 136.62W | • | 2.145 | 109.02W | | 99 |
| 933 | 1202 | 50 | MBS. | 277 | 9 1 | | 126.55W | • | 7.69N | 147.93W | | 25 |
| 934 | 1202 | 50 | MBS. | 286 | 4 50 | •095 | 87.05E | | 7.98N | 120.04E | | 211 |
| 935 | 1202 | 50 | MBS. | 286 | 18 14 | .54N | 77.65E | | 2.295 | 89.07E | | 14 |
| 936 | 1202 | 50 | MBS. | 286 | 19 59 | .30N | 76.42E | • | 9.38N | 39.38E | | 2 |
| 937 | 1202 | 50 | MBS. | 287 | 6 45 | | 68.13E | | 0 | .0 | | 11 |
| 938 | 1202 | 50 | MBS. | | 19 16 | | 57.63E | • | 5.295 | 77.49E | | 13 |
| 939 | 1202 | 50 | MBS. | 288 | 8 40 | .48N | 47.06F | | 0 | 0 | | 13 |
| | | | | | | | | | | | | |

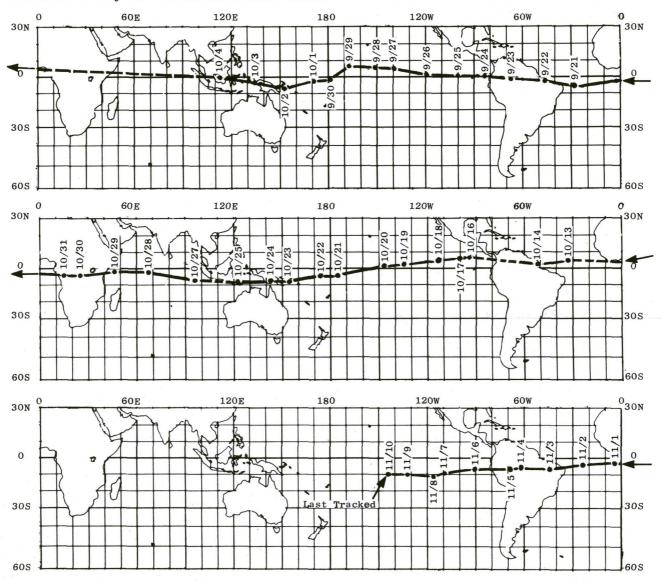
| CARD | ADDRESS | ALTITU | E DAY | HR | MM | LATITUDE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA HRS | 5 |
|------|---------|--------|-------|----|-----|----------|-----------|------|----------|--------------|------|-----------|---|
| 940 | 1202 | 50 MB | . 288 | 20 | 17 | .34N | 39.40F | • | 6.025 | 65.08E | | 12 | |
| 941 | 1202 | 50 MB | . 288 | 22 | 6 | .20N | 38.15E | | 5.81N | 15.50E | | 2 | |
| 942 | 1202 | 50 MB | . 289 | 23 | 7 | 1.215 | 17.38F | | 2.02N | 4.39E | | 25 | |
| 943 | 1202 | 50 MB | . 290 | 10 | 42 | .745 | 8.08F | • | 3.31N | 24.31E | | 11 | |
| 944 | 1202 | 50 MB | . 291 | 0 | 6 | 7.38N | 2.71W | | 0 | 0 | | 14 | |
| 945 | 1202 | 50 MB | . 291 | 11 | 40 | 12.885 | 5.62W | | 8.225 | 13.18E | | 11 | |
| 946 | 1202 | 50 MB | . 292 | 1 | 9 | .39N | 21.01W | • | .185 | 18.66W | | 14 | |
| 947 | 1202 | 50 MB | . 292 | 14 | 30 | .75N | 32.51W | | 3.305 | 48.77W | | 13 | |
| 948 | 1202 | 50 MB | . 293 | 2 | 9 | .85N | 41.65W | • | 2.645 | 29.29W | | 12 | |
| 949 | 1202 | 50 MB | . 294 | 3 | 1 1 | 3.055 | 59.24W | | 6.815 | 44.24W | | 25 | |
| 950 | 1202 | 50 MB | . 295 | 17 | 34 | 3.635 | 91.77W | | 1.945 | 80.98W | | 38 | |
| 951 | 1202 | 50 MB | | | 34 | 2.865 | 104.85W | | 1.315 | 98.65W | | 25 | |
| 952 | 1202 | 50 MB | | | 39 | 1.935 | 117.46W | • | 1.675 | 116.84W | | 25 | |
| 953 | 1202 | 50 MB | | 7 | 18 | 3.375 | 125.99W | • | 9.575 | 100.80W | | 12 | |
| 954 | 1202 | 50 MB | . 298 | 20 | 39 | 4.745 | 136.01W | • | 2.755 | 128.02W | | 13 | |
| 955 | 1202 | 50 MB: | . 299 | 10 | 5 | 6 - 445 | 144.94W | | 1.485 | 164.93W | | 14 | |
| 956 | 1202 | 50 MB | . 300 | 9 | 22 | 3.765 | 161.07W | • | 11.905 | 127.63W | | 23 | |
| 957 | 1202 | 50 MB | | 11 | 6 | 3.915 | 162.30W | • | .185 | 177.30W | | 2 | |
| 958 | 1202 | 50 MB | . 300 | 22 | 42 | 3.245 | 169.60W | • | .045 | 156.76W | | 11 | |
| 959 | 1202 | 50 MBS | . 301 | 12 | 7 | 3.615 | 178.26W | | .205 | 168.06E | | 14 | |
| 960 | 1202 | 50 MBS | . 301 | 23 | 44 | 3.285 | 174.01E | • | .42N | 17.1 . I I E | | 1.1 | |
| 961 | 1202 | 50 MB | . 302 | 13 | 8 | 2.455 | 163.90E | • | .355 | 155.47E | | 14 | |
| 962 | 1202 | 50 MB | . 303 | 0 | 47 | 1.975 | 154.84E | • | 3.37N | 176.32E | | 11 | |
| 963 | 1202 | 50 MB | . 304 | 15 | 11 | .15N | 126.33E | | 1.295 | 132.13E | | 39 | |
| 964 | 1202 | 50 MB | . 305 | 4 | 34 | .48N | 117.42E | • | 3.875 | 99.98E | | 13 | |
| 965 | 1202 | 50 MB | . 305 | 16 | 14 | .325 | 108.33E | • | 2.965 | 118.92E | | 12 | |
| 966 | 1202 | 50 MB | . 306 | 5 | 37 | 1.865 | 96.83E | • | 3.465 | 90.40E | | 13 | |

Track of Balloon Package No. P-05 Floating at about 30 mb Launched 8 July 1970 from Ascension Island



8 July to 20 September 1970 Track

Track of Balloon Package No. P-05 Floating at about 30 mb Launched 8 July 1970 from Ascension Island



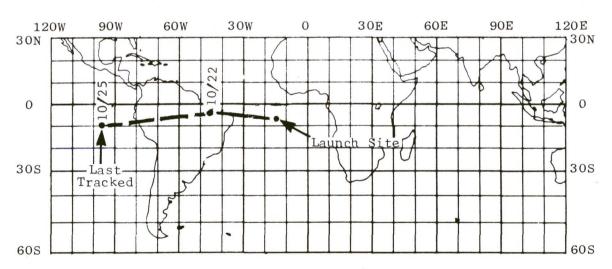
21 September to 10 November 1970 Track

| D05 1 A | UNCHED 8 | JULY | 70 | 124 D | 4 V S | | | | | | | | | |
|------------|----------|----------|-------|------------|-------|----------|----------------|--------------------|------|----------------|--------------------|------|-------|-----|
| CARD | ADDRESS | | ITUDE | DAY | | MM | LATITUDE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA | HRS |
| 279 | 114 | 30 | MB5. | 190 | | | 7.345 | 24.21W | | 2.14N | 14.50E | ,,, | 0 | |
| 280 | 114 | 30 | MBS. | 190 | | | 7.465 | 24.73W | | 10.115 | 35.47W | | 2 | |
| 281 | 114 | 30 | MBS. | 191 | | | 8.125 | 30.01W | • | 2.875 | 8.89W | | 24 | |
| 282 | 114 | 30 | MB5. | 191 | | | 7.995 | 30.22W | • | 15.115 | 59.36W | | 2 | |
| 203 | 114 | 30 | MBS. | 192 | | 42 | 7.485 | 32.26W | • | 2.215 | 53.78W | | 12 | |
| 284 | 114 | 30 | MBS. | 194 | 14 | 28 | 3.105 | 39.21 W | | 0 | 0 | | 60 | |
| 285 | 114 | 30 | MBS. | 198 | 5 | 13 | •975 | 84 . 15W | • | 2.725 | 77 . 1 4 W | | 87 | |
| 286 | 114 | 30 | MBS. | 199 | 6 | 16 | 1.975 | 98.34W | • | 3.065 | 93.97W | | 25 | |
| 287 | 114 | 30 | MBS. | 199 | | 35 | 2.555 | 106.36W | • | 7.075 | 124.52W | | 13 | |
| 288 | 114 | 30 | MBS. | 200 | | 36 | 2.245 | 124.04W | • | 5.415 | 137.40W | | 25 | |
| 289 | 114 | 30 | MBS. | 201 | 8 | 16 | 1.405 | 133.37W | • | 4.625 2.855 | 120.43W | | 12 | |
| 290 | 114 | 30 30 | MBS. | 201 | | 38 17 | 1.365 | 143.78W 152.77W | • | 6.425 | 149.75W 132.09W | | 12 | |
| 291 | 114 | 30 | | 202 | | | 1.475 | 163.12W | | 1.065 | 161.51W | | 13 | |
| 292 293 | 114 | 30 | MBS. | 203 | | 5 | 1.395 | 171.87W | | 4.30N | 165.28E | | 14 | |
| 294 | 114 | 30 | MB5. | 203 | | - | 1.245 | 171.75W | · • | 4.015 | 177 • 16E | | 11 | |
| 295 | 114 | 30 | MB5. | 204 | | 6 | 3.535 | 174.73E | | 3.27N | 147.24E | | 14 | |
| 296 | 114 | 30 | MBS. | 206 | 1 | 44 | 4.685 | 151.88E | | 4.365 | 153.14E | | 36 | |
| 297 | 114 | 30 | MB5. | | 15 | 10 | .97N | 137 • 19E | | 4.08N | 124.77E | | 14 | |
| 298 | 114 | 30 | MB5. | 207 | | 45 | 4.375 | 138.21E | | 4.375 | 136.22E | | 1.1 | |
| 299 | 114 | 30 | MBS. | 207 | | | 4.425 | 128.06E | • | 10.385 | 152.00E | | 12 | |
| 300 | 114 | 30 | MBS. | 209 | | 46 | 1.83N | 103.02E | | 2.74N | 106.66E | | 38 | |
| 301 | 114 | 30 | MB5. | 210 | | 50 | 2.42N | 89.88E | • | 2.23N | 89.12E | | 25 | |
| 302 | 114 | 30 | MBS. | 210 | | | 1 . 4 4 N | 81.93E | | 7.31N | 58.26E | | 14 | |
| 303 | 114 | 30 | MBS. | 211 | | 52 | .365 | 74.12E | • | .065 | 75.40E | | 11 | |
| 304 | 114 | 30 | MBS. | 212 | 7 | 52 | 1.93N | 60.04E | • | 1 • 42N | 57.97E | | 25 | |
| 305 | 114 | 30 | MBS. | 212 | | | 1.61N | 50.47E | | 0 | 0 | | 12 | |
| 306 | 114 | 30 | MBS. | 212 | | | 1.50N | 49.30E | | 0 | 0 | | 2 | |
| 307 308 | 114 | 30 30 | MB5. | 213 | | 53 | .74S 7.40S | 37 • 29E | | 0 0 | 0 | | 14 | |
| 309 | 114 | 30 | MBS. | 214 | | 54 | 1.02N | 21.23E 26.33E | | 2.04N | 30.41E | | 11 | |
| 310 | 114 | 30 | MBS. | 215 | | | 2.35N | 22.68E | | 3.72N | 17 • 19E | | 37 | |
| 311 | 114 | 30 | MBS. | 216 | | 57 | 3.29N | 12.82E | | 3.935 | 16.47W | | 13 | |
| 312 | 114 | 30 | MBS. | 216 | | | 2.55N | 7.94E | | 4 - 18N | 1 • 45E | | 12 | |
| 313 | 114 | 30 | MBS. | 218 | | | .52N | 13.54W | | •13N | .91E | | 37 | |
| 314 | 114 | 30 | MBS. | 219 | 1 | 38 | .83N | 22.40W | | 2.77N | 30.23W | | 13 | |
| . 315 | 114 | 30 | MBS. | 219 | 13 | 15 | 2.70N | 28.36W | • | 5.82N | 15.85W | | 12 | |
| 316 | 114 | 30 | MB5. | 220 | | 38 | 2.42N | 35.76W | | 0 | 0 | | 13 | |
| 317 | 114 | 30 | MBS. | 220 | | 15 | 1.77N | 41.83W | | 4.12N | 32.43W | | 12 | |
| 318 | 114 | 30 | MBS. | 221 | | 14 | 2.925 | 53.96W | • | 1.545 | 48.40W | | 25 | |
| 319 | 114 | 30 | MBS. | 222 | | 57 | 5.585 | 58.20W | • | 10.635 | 37.71W | | 11 | |
| 320 | 114 | 30 | MBS. | 222 | | | 6.225 | 62.71W | • | 7.535 | 68.01W | | 14 | |
| 321 | 114 | 30 | MBS. | 223 | | 59 | 4.585 | 68.30W | : | 7.325 | 57 • 19W | | 11 | |
| 322 323 | 114 | 30 30 | MBS. | 223 224 | 5 | 17 | 2.075 | 77.64W | : | 4.065 6.375 | 85.64W | | 14 | |
| 324 | 114 | 30 | MBS. | | 18 | 17 | •125 | 86.31W | | 1.305 | 69.16W | | 13 | |
| 325 | 114 | 30 | MBS. | 225 | 6 | 'n | 2.55N | 103.05W | | 2.885 | 81.00W | | 12 | |
| 326 | 114 | 30 | MBS. | 226 | 6 | 59 | 7.24N | 115.08W | | 2.74N | 97 • 06 W | | 24 | |
| 327 | 114 | 30 | MBS. | 226 | | 22 | .87N | 123.32W | | 0 | 0 | | 14 | |
| 328 | 114 | 30 | MBS. | 227 | 8 | 0 | .52N | 129.40W | | 0 | 0 | | 12 | |
| 329 | 114 | 30 | MBS. | 228 | 22 | 25 | 2.835 | 154.49W | | 4.645 | 161.76W | | 38 | |
| 330 | 114 | 30 | MBS. | 230 | 11 | 4 | 6.305 | 172.02W | • | ,7.185 | 168.52W | | 37 | |
| 331 | 114 | 30 | MBS. | 231 | 0 | 27 | 5.475 | 178.38W | • | 10.165 | 162.80E | | 13 | |
| 332 | 114 | 30 | MBS. | 231 | | 6 | 6.395 | 175.64E | | 5.845 | 173.44E | | 12 | |
| 333 | 114 | 30 | MBS. | 231 | | | 6.945 | 169.69E | • | •525 | 164.36W | | 11 | |
| 334 | 114 | 30 | MBS. | 232 | | 8 | 6.895 | 163.36E | | 4.855 | 155.21E | | 14 | |
| 335 | 114 | 30 | MBS. | 233 | | 27 | 11.875 | 158 - 16E | _ | 19.075 | 128.59E | | 13 | |
| 336 337 | 114 | 30 | MBS. | 233 234 | | 46 | 4.80S 3.53S | 149.61E 142.33E | • | 2.285 | 139.35E 0 | | 12 | |
| 338 | 114 | 30 | MBS. | 235 | | 46 | 1.515 | 124.00E | | 4.18N | 146.92E | | 25 | |
| 339 | 114 | 30 | MBS. | 235 | | | •915 | 115.48E | | •435 | 113.54E | | 14 | |
| 340 | 114 | 30 | MBS. | 236 | | | 2.33N | 96.02E | • | .46N | 103.50E | (M) | 25 | |
| 341 | 114 | 30 | MBS. | 237 | | | 3.22N | 87.34E | | 1.375 | 68.84E | | 13 | |
| 342 | 114 | 30 | MBS. | 238 | 7 | 37 | 3.15N | 68.26E | | •29N | 56 . 85E | | 25 | |
| 343 | 114 | 30 | MBS. | 239 | | 40 | 11.94N | 53.95E | | 0 | 0 | | 25 | |
| 344 | 114 | 30 | MBS. | 240 | | 40 | 1.21N | 32.19E | | 1 - 1 4 N | 31.88E | | 25 | |
| 345 | 114 | 30 | MBS. | 240 | | | 2.61N | 22.72E | | 0 | 0 | | 12 | |
| 346 | 114 | 30 | MBS. | 241 | | | 5.51N | 12.14E | • | 7 . 15N | 18.72E | | 13 | |
| 347 | 114 | 30 | MBS. | 242 | 0 | 5 | 9.00N | 1.81W | | 0 | 0 | | 14 | |
| 348 | 114 | 30 | MB5. | 242 | | | 6.00N | 7.45W | • | 9.60N | 6.95E | | 11 | |
| 349 | 114 | 30 | MBS. | 243 | 1 | 5 | 11.44N | 16.03W | | 11.68N | 16.98W | | 14 | |
| 350 | 114 | 30 | MBS. | 244 | 4 | 6 | 3.46N | 37.34W | | 1.83N | 30.80W | | 25 | |

| CARD | ADDRESS | ALTI | THOS | DAY HR MM | LATITUCE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA HR | 5 |
|------|-----------------|------|-------|------------|----------|-----------|----------|-----------|--|------|----------|---|
| | | | | | 12.95N | 32.25W | · LAO | | 0 | FLAG | | - |
| 351 | 114 | 30 | MB5. | 244 13 44 | | | | | | | 11 | |
| 352 | 114 | 30 | MBS. | 245 3 12 | .77N | 53.72W | • | 1.035 | 46.43W | | 14 | |
| 353 | 114 | 30 | MBS. | 246 17 31 | 1.935 | 81.33W | • | 4.095 | 90.05W | | 38 | |
| 354 | 114 | 30 | MBS. | 248 19 36 | .785 | 118.20W | • | .195 | 115.82W | | 5 C | |
| 355 | 114 | 30 | MBS. | 249 9 2 | .665 | 129.05W | | 3.70N | 146.55W | | 1.4 | |
| 356 | | 30 | MBS. | 249 20 39 | .305 | 137.45W | | 0 | 0 | | | |
| | 114 | | | | | | | | and the same of th | | 11 | |
| 357 | 114 | 30 | MBS. | 250 21 41 | .65N | 156.69W | • | 4.77N | 140.18W | | 25 | |
| 358 | 114 | 30 | MBS. | 250 23 25 | 5.545 | 156.35W | | 13.415 | 171.69F | | 2 | |
| 359 | 114 | 30 | MBS. | 251 11 5 | .245 | 167.10W | | .59N | 170.45W | | 12 | |
| 360 | 114 | 30 | MBS. | 252 0 28 | .17N | 177 . 16W | • | 5.825 | 158.69F | | 13 | |
| 361 | 114 | 30 | MBS. | 252 12 5 | .15N | 174.66E | | .415 | 176.92E | | 12 | |
| | | | | | | | | | | | | |
| 362 | 114 | 30 | MBS. | 253 30 | .37N | 164.92E | • | 4.445 | 145.56E | | 13 | |
| 363 | 114 | 30 | MBS. | 253 13 6 | .46N | 157 • 18E | | 1.155 | 163.65E | | 12 | |
| 364 | 114 | 30 | MBS. | 254 2 30 | 1.11N | 148.37E | • | 3.215 | 130.95E | | 13 | |
| 365 | 114 | 30 | MBS . | 254 14 8 | .41N | 140.05F | | 2.035 | 149.88F | | 12 | |
| 366 | 114 | 30 | MBS. | 255 3 32 | 1.415 | 130.77E | | 0 | 0 | | 13 | |
| | | | | | | | | | ő | | | |
| 367 | 114 | 30 | MBS. | 255 15 11 | 2.775 | 122.81F | | 0 | and the same of the same | | 12 | |
| 368 | 114 | 30 | MBS. | 256 4 33 | 3.275 | 114.57E | • | 5.635 | 105.14E | | 13 | |
| 369 | 114 | 30 | MBS. | 256 16 15 | 4.295 | 107.67E | | 6.965 | 118.53E | | 12 | |
| 370 | 114 | 30 | MBS. | 257 5 32 | 6.295 | 108.27E | | 12.465 | 83.14E | | 13 | |
| 371 | 114 | 30 | MBS. | 257 17 12 | 5.815 | 103.88F | | 2.925 | 92.32F | | 12 | |
| | | | | | | | | | | | | |
| 372 | 114 | 30 | MB5. | 258 6 35 | 2.395 | 82.675 | • | 4.275 | 75 · 15E | | 13 | |
| 373 | 114 | 30 | MB5. | 258 18 14 | .565 | 74.62E | | 0 | 0 | | 12 | |
| 374 | 114 | 30 | MBS. | 250 7 38 | 1.75N | 64.63F | • | .69N | 60.33E | | 13 | |
| 375 | 114 | 30 | MBS . | 259 19 15 | 1.58N | 56.39F | | 4.285 | 80.00E | | 12 | |
| 376 | 114 | 30 | MBS. | 260 8 39 | 2.47N | 47.83F | | 2.00N | 45.94E | | 13 | |
| 377 | | | | | | | | | | | | |
| | 114 | 30 | MBS. | 260 20 17 | 2.23N | 37.99F | • | 5.115 | 67.70E | | 12 | |
| 378 | 114 | 30 | MBS. | 261 9 40 | 6.385 | 30.09E | | 4.695 | 36.86E | | 13 | |
| 379 | 114 | 30 | MBS. | 261 23 6 | 2.315 | 18.30E | | 1.365 | 3.57E | | 1.4 | |
| 380 | 114 | 30 | MBS. | 262 10 41 | 4.055 | 10.04F | | .425 | 24.61E | | 12 | |
| 381 | 114 | 30 | MBS. | 263 0 7 | 3.895 | 1.83E | | .605 | 16.43W | | 14 | |
| 382 | | 30 | MBS. | 264 1 9 | 1.855 | 10.17W | | .035 | 23.47W | | 25 | |
| | 114 | 100 | | | | | | | | | | |
| 383 | 114 | 30 | MBS. | 264 12 43 | 5.335 | 25.93W | • | .91N | .75W | | 11 | |
| 384 | 114 | 30 | MBS. | 205 2 11 | 2.775 | 35.60W | | 0 | 0 | | 1 4 | |
| 385 | 114 | 30 | MBS. | 265 13 44 | 1.015 | 45.02W | | 5.68N | 14.27W | | 1.1 | |
| 386 | 114 | 30 | MBS. | 266 3 13 | 1.705 | 55.61W | | 4.005 | 46.30W | | 14 | |
| 387 | 114 | 30 | MB5 . | 266 16 31 | 1.995 | 65.52W | | 4.485 | 75.54W | | 13 | |
| 388 | 114 | 30 | MBS. | 267 17 34 | 2.03N | 81.58W | | .595 | 42.11W | | 25 | |
| | | | | | | | - | | | | | |
| 389 | 114 | 30 | MBS. | 268 18 34 | 1.50N | 99.74W | • | .27N | 104.67W | | 25 | |
| 390 | 114 | 30 | MBS. | 269 6 16 | 2.61N | 108.96W | • | 3.605 | 83.81W | | 12 | |
| 391 | 114 | 30 | MBS. | 269 19 38 | 3.09N | 118.99W | • | 3.52N | 117.29W | | 13 | |
| 392 | 114 | 30 | MBS. | 270 9 2 | 3.63N | 129.18W | | 7.54N | 144.86W | | 14 | |
| 393 | 100 100 100 100 | 30 | | | | | | | | | | |
| | 114 | | MBS. | 270 20 40 | 4.40N | 137.36W | | 6.11N | 130.53W | | 11 | |
| 394 | 114 | 30 | MBS. | 270 22 24 | 4.58N | 138.46W | • | 5.565 | 179.77E | | 2 | |
| 395 | 114 | 30 | MBS. | 271 10 3 | 5.40N | 144.19W | • | 9.25N | 159.64W | | 12 | |
| 396 | 114 | 30 | MBS. | 271 21 42 | 5.81N | 150.09W | | 6 . 1 4 N | 148.77W | | 1.1 | |
| 307 | 114 | 30 | MBS. | 272 9 18 | 5.35N | 156.72W | | 2.015 | 126.96W | | 12 | |
| 398 | 114 | 30 | MBS. | 272 22 43 | 4 . 22N | 165.10W | | 4.58N | 163.61W | | 13 | |
| | | | | | | | • | | | | | |
| 399 | 114 | 30 | MBS. | 273 10 18 | 1.97N | 172.00W | | 0 | 0 | | 12 | |
| 400 | 114 | 30 | MBS. | 273 23 45 | •555 | 178.71E | •, | .75N | 175.99W | | 13 | |
| 401 | 114 | 30 | MB5. | 274 1 20 | 2.485 | 170.47E | • | 9.975 | 159.26W | | 12 | |
| 402 | 114 | 30 | MBS. | 275 0 46 | 4.975 | 161.21E | • | 2.095 | 172.69F | | 13 | |
| 403 | 114 | 30 | MB5 . | 275 12 21 | 5.675 | 153.20F | | 13.725 | 174.32W | | 12 | |
| 404 | 114 | 30 | MB5. | 276 48 | 4.755 | 144.50F | | 1.305 | 158.38E | | 13 | |
| | | | | | | | - 2 | | | | | |
| 405 | | 30 | MBS. | 276 15 11 | 2.695 | 134 - 18E | • | •255 | 124.38E | | 14 | |
| 406 | | 30 | MBS. | 277 2 47 | 1.345 | 125.05F | * | 3.65N | 145.11E | | 11 | |
| 407 | 114 | 30 | MBS. | 277 16 15 | .115 | 113.17F | | .605 | 115.17E | • | 14 | |
| 408 | 114 | 30 | MB5. | 286 2 8 | 4.52N | 32.10W | | 5.40N | 35.60W | | 202 | |
| 409 | | 30 | MBS. | | 3.66N | 51.25W | | 2.87N | 48.08W | | 25 | |
| | | | | | | | | | | | | |
| 410 | | 30 | MBS. | | 6.24N | 93.65W | | 1.50N | 112.65W | | 63 | |
| 411 | | 30 | MBS. | 290 6 15 | 6.34N | 100 - 14W | • | 3.87N | 90.23W | | 12 | |
| 412 | | 30 | MBS. | | 4.73N | 113.96W | • | 3.14N | 107.64W | | 25 | |
| 413 | 114 | 30 | MBS. | 292 8 15 | 4.99N | 126.56W | | 0 | 0 | | 25 | |
| 414 | | 30 | MBS. | | 3.39N | 134.68W | | 9.26N | 111.15W | | 11 | |
| 415 | | 30 | MBS. | 293 9 19 | 1.26N | 146.14W | | .625 | 138.56W | | 14 | |
| 416 | | 30 | MBS. | | 2.485 | 164.81W | | 5.515 | 152.68W | | 25 | |
| | | | | | | | | | | | | |
| 417 | | 30 | MBS. | 294 23 43 | 3.785 | 175.39W | • | 4.965 | 179.85E | | 13 | |
| 418 | | 30 | MBS. | | 4.345 | 175.99E | • | 8.965 | 165.45W | | 12 | |
| 419 | 114 | 30 | MBS. | 296 0 45 | 5.115 | 165.55F | • | 4.385 | 168.45E | | 13 | |
| 420 | | 30 | MBS. | 296 14 8 | 5.545 | 154.98E | | .105 | 133.17E | | 14 | |
| 421 | | 30 | MBS. | 297 46 | 5.635 | 146.42E | | 3.065 | 156.71E | | -11 | |
| | | | | | | | - | | | | | |
| 422 | | 30 | MBS. | 298 2 46 | 8.695 | 130.75E | <u>-</u> | 5.635 | 143.06E | | 25 | |
| 423 | | 30 | MBS. | | 7.635 | 121.83E | | 3.215 | 103.67E | | 14 | |
| 424 | 114 | 30 | MBS. | 300 4 49 | 5.475 | 97.23E | | 1.445 | 113.44E | | 36 | |

| CARD | ADDRESS | ALTITUDE | DAY HR MM | LATITUDE | LONGITUDE | C1 1 C | | | | |
|------|---------|----------|-----------|----------|-----------|--------|----------|-------------|------|-----------|
| 425 | 114 | | | | | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA HRS |
| | | 30 MBS. | | 3.515 | 76.49E | • | 9.745 | 51.45E | | 27 |
| 426 | 114 | 30 MBS. | | 2.185 | 67.67E | • | 2.165 | 67.56E | | 12 |
| 427 | 114 | 30 MBS. | 302 6 52 | 1.865 | 58.23F | • | 5.63N | 88.56E | | 11 |
| 428 | 114 | 30 MBS. | 302 20 19 | 2.085 | 46.84E | • | 4.635 | 57 . 14E | | 14 |
| 429 | 114 | 30 MBS. | 303 9 41 | 3.105 | 34.91E | | 4.255 | 30.32F | | |
| 430 | 114 | 30 MB5 . | | 3.165 | 25.27E | | | | | 13 |
| 431 | 114 | 30 MBS. | | 2.515 | | | 8.515 | 46.84E | | 12 |
| 432 | 114 | | | | 14.86E | • | 1.505 | 18.88E | | 13 |
| | | | | 2.245 | 4.80E | • | 2.46N | 14.08W | | 14 |
| 433 | 114 | 30 MBS. | 305 11 44 | 2.025 | 3.24W | • | .24N | 5.79F | | 11 |
| 434 | 114 | 30 MBS. | 306 1 9 | 2.495 | 14.03W | • | .58N | 26.41W | | 14 |
| 435 | 114 | 30 MBS. | 306 12 45 | 4.205 | 23.23W | | .47N | 4.40W | | |
| 436 | 114 | 30 MBS. | | 6.415 | | | | | | 1.1 |
| 437 | 114 | | | | 33.54W | • | 4.845 | 39.87W | | 14 |
| 438 | | | | 5.995 | 44.04W | | 0 | 0 | | 13 |
| | 114 | 30 MBS. | | 5.165 | 51.10W | • | 4.795 | 52.62W | | 12 |
| 439 | 114 | 30 MBS. | 308 16 30 | 5.035 | 60.91W | | 9.475 | 78.99W | | 13 |
| 440 | 114 | 30 MBS. | 309 4 16 | 6.335 | 68.46W | • | 6.745 | 66.79W | | 12 |
| 441 | 114 | 30 MBS. | 310 18 34 | 6.315 | 89.55W | | 11.575 | 110.90W | | |
| 442 | 114 | 30 MBS. | | 7.595 | 97.02W | | | | | 38 |
| 443 | 114 | | | | | • | 6.885 | 99.90W | • | 12 |
| | | | | 9.385 | 109.18W | • | 12.295 | 120.95W | | 13 |
| 444 | 114 | 30 MBS. | | 10.875 | 116.05W | • | 11.525 | 113.42W | | 12 |
| 445 | 114 | 30 MBS. | 313 8 20 | 10.695 | 128.76W | • | 10.165 | 130.93W | • | 25 |
| 446 | 114 | 30 MBS. | 314 9 20 | 9.615 | 143.07W | | 8.735 | 146.62W | | 25 |
| | | | | | | 30000 | 0., 55 | , 40 . 02 M | | 23 |

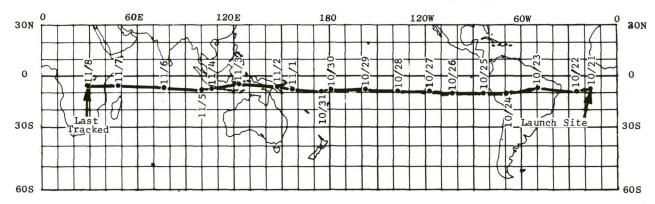
Track of Balloon Package No. P-17
Floating at about 50 mb
Launched 20 October 1970 from Ascension Island



20 October to 25 October 1970 Track

| PI7 LAU | NCHED 20 | OCT 7 | 70 5 | DAYS | | | | | | | | | |
|---------|----------|-------|-------|------|----|----|----------|-----------|------|----------|-----------|------|-----------|
| CARD | ADDRESS | ALTI | TUDE | DAY | HR | MM | LATITUDE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA HRS |
| 1286 | 5040 | 50 | MBS. | 295 | 14 | 0 | 5.995 | 45 . 46W | • | .39N | 19.81W | | С |
| 1287 | 5040 | 50 | MBS . | 298 | 18 | 51 | 9.515 | 98.11W | | 12.175 | 108.70W | | 76 |

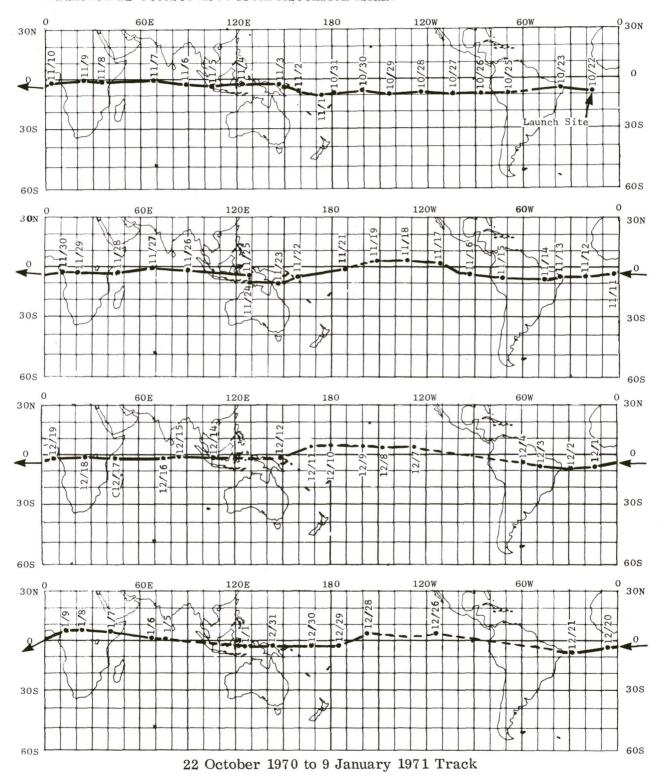
Track of Balloon Package No. P-15
Floating at about 50 mb
Launched 21 October 1970 from Ascension Island



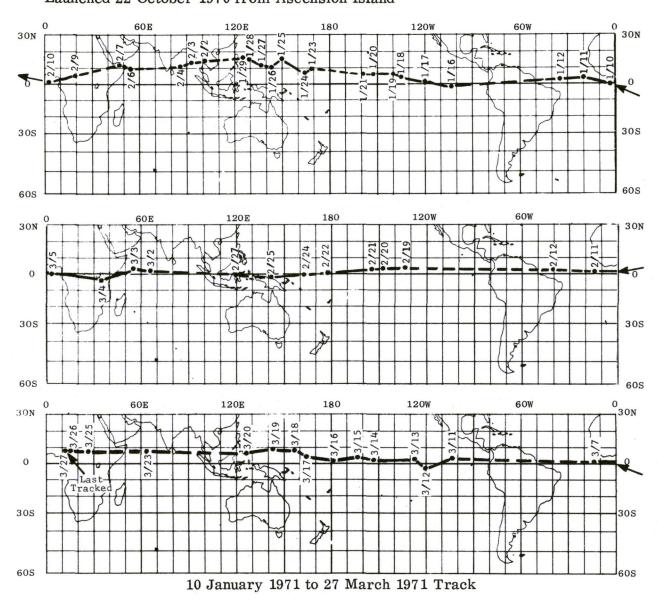
21 October to 8 November 1970 Track

| PIS LAU | NCHED 21 | OCT 70 1 | BDAYS | | | | | | | | |
|---------|----------|----------|--------|------|----------|-----------|------|----------|------------|------|-----------|
| CARD | ADDRESS | ALTITUDE | DAY HE | MM S | LATITUDE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA HRS |
| 1183 | 4210 | 50 MB5. | 294 12 | 58 | 7.855 | 16.08W | | 0 | 0 | | 0 |
| 1184 | 4210 | 50 MBS. | 295 (| 40 | 9.335 | 24.83W | | 14.125 | 5.38W | | 12 |
| 1185 | 4210 | 50 MBS. | 296 14 | 58 | 7.565 | 49.96W | • | 6.085 | 43.94W | | 38 |
| 1186 | 4210 | 50 MBS . | 296 15 | 0 | 7.565 | 49.99W | | 6.095 | 44.02W | | 2 |
| 1187 | 4210 | 50 MB5. | 297 2 | 45 | 8.675 | 59.68W | • | 15.355 | 31.91W | | 11 |
| 1188 | 4210 | 50 MB5. | 297 | 30 | 11.505 | 65.27W | | 8.115 | 78.95W | | 2 |
| 1189 | 4210 | 50 MBS. | 297 16 | 0 | 9.885 | 68 . 64 W | • | 6.605 | 55.30W | | 12 |
| 1190 | 4210 | 50 MB5 . | | 46 | 10.435 | 76.62W | • | 17.625 | 46.66W | | 1.1 |
| 1191 | 4210 | 50 MBS . | 298 | 32 | 10.495 | 77.85W | • | 5.985 | 96.27W | | 2 |
| 1192 | 4210 | 50 MB5 . | 298 17 | 3 | 9.895 | 83.68W | • | 6.705 | 70.85W | | 12 |
| 1193 | 4210 | 50 MBS. | 299 | 34 | 9.535 | 93.07W | • | 5.075 | 111.25W | | 13 |
| 1194 | 4210 | 50 MBS . | 299 19 | 48 | 9.855 | 102.19W | • | 17.515 | 134.19W | | 13 |
| 1195 | 4210 | 50 MBS. | 300 7 | 34 | 9.115 | 109.09W | • | 5.415 | 124 . 98W | | 12 |
| 1196 | 4210 | 50 MBS. | 300 19 | 5 | 8.635 | 117.46W | • | 4.125 | 99.33W | | 12 |
| 1197 | 4210 | 50 MBS. | 301 20 | 0 | 8.745 | 136.36W | • | 2.605 | 111.49W | | 25 |
| 1198 | 4210 | 50 MBS . | 302 | 37 | 7.825 | 148.25W | | 0 | 0 | | 13 |
| 1199 | 4210 | 50 MBS. | 302 22 | | 8.285 | 157 . 12W | • | 11.865 | 172.27W | | 13 |
| 1200 | 4210 | 50 MB5. | 303 10 | | 7.945 | 167.30W | • | 9.655 | 160.35W | | 12 |
| 1201 | 4210 | 50 MB5. | 303 2 | | 7.735 | 178.82W | • | 8.695 | 177.31E | | 13 |
| 1202 | 4210 | 50 MBS. | 304 1 | | 8.515 | 175.00E | • | 11.215 | 173.90W | | 12 |
| 1203 | 4210 | 50 MB5. | 304 1 | | 8.695 | 174.55E | | .79N | 135.95E | | 2 |
| 1204 | 4210 | 50 MBS. | - | 59 | 8.065 | 166.48E | • , | 9.285 | 161.62E | | 1.1 |
| 1205 | 4210 | 50 MBS. | 305 1 | | 8.125 | 157.75E | • | 11.825 | 172.69E | | 12 |
| 1206 | 4210 | 50 MBS. | | 2 1 | 6.935 | 148.28E | | 0 | 0 | | 1 4 |
| 1207 | 4210 | 50 MBS. | | 3 3 | 6.265 | 131.58E | • | 5.695 | 133.87E | | 25 |
| 1208 | 4210 | 50 MB5. | 307 1 | | 5.315 | 122.05E | . • | .78N | 97 • 22E | | 13 |
| 1209 | 4210 | 50 MBS. | 308 | | 7.105 | 111.05E | • | 4.005 | 123.52E | | 1-2 |
| 1210 | 4210 | 50 MBS. | 308 1 | | 8.355 | 100.00E | • | 14.635 | 131.61E | | 11 |
| 1211 | 4210 | 50 MB5. | | 5 5 | 8.195 | 100.595 | • | 7.265 | 104.35E | | 14 |
| 1212 | 4210 | 50 MBS. | | 5 7 | 6.515 | 81.85F | | 0 | 0 | | 25 |
| 1213 | 4210 | 50 MBS. | 310 1 | | 6.525 | 73.39E | • | 13.945 | 103.81F | | !! |
| 1214 | 4210 | 50 MBS. | | 7 | 4.735 | 61.93E | • | •425 | 79.19E | | 14 |
| 1215 | 4210 | 50 MBS. | | 34 | 5.205 | 48.38E | • | 4.845 | 46.95E | | 13 |
| 1216 | 4210 | 50 MBS. | 312 | | 4.695 | 38.20E | • | 3.43N | 71.29E | | 12 |
| 1217 | 4210 | 50 MBS . | | 53 | 4.615 | 36.55E | | 8.185 | 22 • 1 4 E | | 2 |
| 1218 | 4210 | 50 MBS. | 312 2 | 3.4 | 5.075 | 28.86E | • | 6.695 | 35.36E | | 12 |

Track of Balloon Package No. P-08
Floating at about 50 mb
Launched 22 October 1970 from Ascension Island



Track of Balloon Package No. P-08 Floating at about 50 mb Launched 22 October 1970 from Ascension Island



POR LAUNCHED 22 OCT 70 LATITUDE LONGITUDE CAPD ADDRESS DAY HR MM FLAG LATITUDE LONGITUDE FLAG DELTA HRS ALTITLDE 603 50002 50 MBS . 295 12 14 7.465 16.51W 1.935 5.76F C 27 . 35W 30.57W 604 50002 50 MB5. 296 1 40 6.125 5.325 13 605 50002 50 MBS. 296 13 16 6.515 35.81W .75N 6 . 48 W 12 606 50002 50 MB5 . 298 3 46 10.665 60.90W 0 0 38 83.99W 9.245 607 50002 50 MBS . 298 17 0 9.245 69.09W 14 4 48 75.72W 0 11 608 50002 50 MB5. 299 8.605 0 11.795 98.24W 8.775 85.96W 50 299 18 600 50002 MBS. 5 49 8.925 93.61W 10.085 88.86W 11 610 50002 50 MRS . 300 300 19 8.915 103.53W 10.895 111.54W 50002 50 611 MRS. 101.88W 50002 301 6 49 8.375 111.23W 10.675 612 50 MRS . 613 50002 50 MB5. 301 20 7.045 123.34W 0 8.705 131.75W 11 614 50002 MBS. 302 0 0 50002 615 50 MBS . 302 21 8.755 141.89W 7.155 135.46W 616 50002 50 MB5. 303 22 10 8.025 160 . 92W . 4.755 147.87W 25 4.935 617 50002 50 MB5. 304 11 37 8.865 170.84W 173.43F 13 8.725 178.59W 618 50002 50 MBS. 304 23 11 4.305 160.80W 12 50002 305 12 40 10.075 173.00F 158.28E 13 619 50 MBS. 6.425 50002 50 0 14 9.915 166.43F 5.485 175.85W 12 306 620 MRS. 50002 159.24E 4.095 142.39E 50 306 13 40 8.305 13 MBS. 621 14 39 9.065 50002 MB5. 307 3.105 142.68E 622 50002 308 2 17 3.195 134.37E 1.11N 151.60E 12 623 MB5. 50002 50 MBS. 308 15 42 2.575 123.00E 1.665 119.33E 13 50002 625 50 MB5. 309 16 46 3.665 105.86F 3.465 105.03E 25 50 96.97E 0 50002 310 626 MBS. 6 4.115 0 50002 50 310 17 46 3.365 88.80E 4.025 91.43E 11 627 MB5. 311 7 50002 79.04F 5.785 62.65E 628 50 MRS. 1.695 14 3.595 80.73E 50002 311 18 46 69.59F 11 50 .815 629 MRS. 50002 57.11E 53.07E 50 1.485 2.495 630 MBS. 312 8 8 50002 312 19 47 46.36E 7.975 72.06E 631 50 1.595 11 MRS. 50002 50 312 21 35 1.765 44.68F 3.64N 22.90E 632 MB5. 633 50002 MB5. 9 10 2.065 34.56E 44.40E 50002 313 22 35 24.40E 2.00N 12.30E 13 634 MBS. 1.015 635 50002 50 MB5. 314 10 10 1.575 15.09E 2.76N 32.51E 12 636 50002 50 MB5. 314 11 57 1.585 13.53E 9.045 16.72W 2 3.93F -98F 637 50002 50 MB5. 314 23 37 2.225 1.495 12 20.70E 638 50002 50 MB5 . 315 11 12 2.825 3.54W 3.21N 12 50002 316 0 40 13.18W 0 13 639 50 MBS. 3.105 0 316 13 59 10.435 43.01W 13 50002 50 20.31W 640 MRS. 4.825 50002 29.94W 0 0 12 50 1 40 4.685 641 MBS. 317 36.99W 2.70N 6.55W 50002 317 13 17 12 50 MRS. 4.805 642 50002 50 318 7.245 46.77W 8.125 43.22W 643 MB5. 59.06W 50002 50 319 3 46 7.895 61.89W 644 MB5. 319 17 320 18 50002 72.39W 82.68W 14 645 MB5. 6.685 9.215 92 . 10W 50002 95.42W 3.885 25 50 MB5. 4.715 MB5. 647 50002 50 321 5 44 .785 78 . 85 W 4.10N 98 . 45W 11 648 .58N 109.57W 50002 50 MB5. 321 19 5 111.06W .95N 6 47 5.995 11 649 50002 50 MBS . 322 1.81N 120.69W 89.06W 322 20 11 323 21 12 131.66W 5.03N 121.10k 132.87W 650 50002 50 MBS . 2.39N 14 651 50002 50 MRS. 2.84N 165.79F 27 170.96W 4.365 652 50002 50 MBS. 325 0 1.41N 156.76E 25 2.375 168.60F 5.335 653 50002 50 MBS. 326 0 171.92E 326 12 38 6.125 159.27E 9.295 654 50002 50 MRS. 50002 0 9.605 145.895 8.265 151.30E 655 50 MBS . 327 2 136.81E 8.645 50002 328 129.09E 6.725 656 MB5. 50 657 50002 MB5. 329 4.265 113.64E 2.785 119.58F 25 329 15 46 112.15E 658 50002 50 MBS . 6.165 128.80F 2.075 11 659 50002 MB5. 330 5 .805 100.61E 0 0 14 50 5 50002 50 330 18 31 1.13N 90.21E 6.06N 70.32F 13 660 MB5. 661 50002 50 MB5. 331 6 .85N 80.37E 2.99N 88.87E 12 662 50002 50 MB5 . 331 19 31 .425 68.22F 1.57N 60.18E 13 663 50002 50 MB5. 332 20 34 3.595 46.20F 4.375 49.32F 25 13 664 50002 50 MB5 . 333 9 55 2.815 31.76F 4.445 25.28F 333 21 35 21.74E 8.245 42.32F 12 665 50002 50 MRS. 3.145 20.49F 3.73N 7 . 15W 50002 333 23 22 3.125 666 50 MRS. 334 10 56 11.43E 2.595 14.62E 50002 50 3.385 667 MBS. 18.88W 50002 0 24 5.515 .08w .855 668 50 335 MRS. 15.075 7.375 11.46W 50002 50 335 13 43 669 MBS. 19.52W 32.01W 670 50002 50 336 1 26 8.535 5.445 MB5. 50002 2.275 671 50 7.595 27.86W 6.42W MB5. 336 13 0 6.975 38.07W 5.545 43.79W 13 672 50002 50 MBS. 337

47 . 19W

50002

337 13 59

5.835

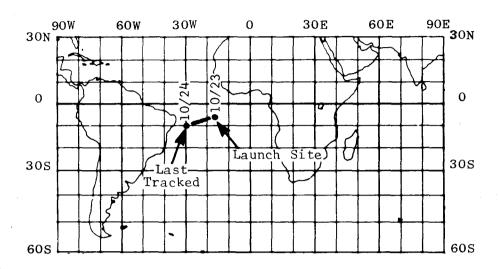
1 . 13N

19.01W

| CARD | ADDRESS | AL T | ITUDE | DAY HR MM | LATITUDE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA | HRS |
|------|---------|------|-------|-----------|----------|--|------|----------|-----------|------|-------|-----|
| | | | | | | 58 . 16W | | 5.195 | 53.68W | | 14 | |
| 674 | 50002 | 50 | MBS. | 338 3 31 | 4.105 | | | | | | | |
| 675 | 50002 | 50 | MB5. | 341 19 55 | 4.93N | 128.29W | • | 7.42N | 118.34W | | 88 | |
| 676 | 50002 | 50 | MBS. | 342 20 56 | 3.65N | 148.04W | • | 8.37N | 129.12W | | 25 | |
| 677 | 50002 | 50 | MBS. | 342 22 41 | 3.52N | 149.56W | | 3.585 | 178.29W | | 2 | |
| | | | | | | | | 3.26N | 155.30W | | 13 | |
| 678 | 50002 | 50 | MBS. | 343 10 15 | 4.20N | 159.10W | | | | | | |
| 679 | 50002 | 50 | MBS. | 343 23 45 | 4.30N | 170.28W | • | .395 | 170.82E | | 13 | |
| 680 | 50002 | 50 | MB5. | 344 11 19 | 4.77N | 179.91E | | 1 . 13N | 165.46W | | 12 | |
| | 50002 | 50 | MBS. | 345 0 49 | 4 . 75N | 169.16E | | 0 | 0 | | 13 | |
| 681 | | | | | | | | | | | | |
| 682 | 50002 | 50 | MBS. | 345 12 18 | 10.55N | 162.50E | | 5.34N | 176.26W | | 12 | |
| 683 | 50002 | 50 | MB5. | 346 1 48 | .08N | 149.34E | | .43N | 150.73E | | 13 | |
| | | 50 | | 346 13 24 | .655 | 140.84E | | 7.615 | 168.91E | | 12 | |
| 684 | 50002 | | MBS. | | | | | | | | | |
| 685 | 50002 | 50 | MBS. | 348 3 45 | 6.315 | 112.46E | | 2.335 | 128.57E | | 38 | |
| 686 | 50002 | 50 | MBS. | 348 15 27 | .61N | 106.83E | • | 8.025 | 141.84E | | 12 | |
| 687 | 50002 | 50 | MBS. | 349 18 15 | .465 | 84.61E | | .30N | 81.53E | | 27 | |
| | | | | | | | • | 7.59N | 99.74E | | 11 | |
| 688 | 50002 | 50 | MBS. | 350 5 53 | 1.61N | 75.61E | | | | | | |
| 689 | 50002 | 50 | MBS. | 351 8 41 | 2.06N | 54.28E | • | 1.765 | 38.95E | | 27 | |
| 690 | 50002 | 50 | MBS. | 351 20 18 | 2.41N | 45.03E | • | 1.345 | 60.09E | | 12 | |
| | | - | | | 1.17N | 34.53E | | .485 | 27.94E | | 13 | |
| 691 | 50002 | 50 | MBS. | | | | | | | | | |
| 692 | 50002 | 50 | MBS. | 352 21 19 | •56N | 26.47E | • | 4.495 | 46.78E | | 12 | |
| 693 | 50002 | 50 | MBS. | 353 10 42 | .04N | 16.23E | | •075 | 15.75E | | 13 | |
| 694 | 50002 | 50 | MB5. | 353 22 21 | 2.565 | 5.73E | | 9.775 | 34.84E | | 12 | |
| | | | | | | | • | | | | 13 | |
| 695 | 50002 | 50 | MBS. | 354 11 43 | 3.495 | 5.86W | • | .015 | 8.06E | | | |
| 696 | 50002 | 50 | MBS. | 355 10 | 7.515 | 12.53W | | 0 | 0 | | 14 | |
| 697 | 50002 | 50 | MBS. | 355 12 46 | 6.685 | 29.33W | • | .92N | 1 • 42E | | 11 | |
| | | | | | 3.84N | 113.19W | | 8.39N | 131.418 | | 116 | |
| 698 | 50002 | 50 | MBS. | | | | | | | | | |
| 699 | 50002 | 50 | MBS. | 362 21 43 | 4.68N | 157.01W | | 8.03N | 143.59W | | 61 | 2 |
| 700 | 50002 | 50 | MBS. | 362 23 28 | 4.26N | 158.43W | • | 4.195 | 167.31E | | 2 | |
| 701 | 50002 | 50 | MB5. | 363 11 6 | 1.05N | 169.93W | | .85N | 169.15W | | 12 | |
| | | | | | | | | | 152.65W | | 11 | |
| 702 | 50002 | 50 | MBS. | 363 22 44 | 2.915 | 175.39W | | 2.70N | | | | |
| 703 | 50002 | 50 | MBS. | 364 0 32 | 1.625 | 178.90E | | 6.035 | 161.20E | | 2 | |
| 704 | 50002 | 50 | MBS. | 364 12 7 | 2.995 | 168.23E | | 5.785 | 179.38E | | 12 | |
| 705 | 50002 | 50 | MBS. | 365 32 | 2.665 | 156.66F | | 3.705 | 157.50E | | 13 | |
| | | | | | | the second of th | | | | | | |
| 706 | 50002 | 50 | MBS. | 365 13 9 | 3.215 | 146.49E | | 8.985 | 169.67E | | 12 | |
| 707 | 50002 | 50 | MBS. | 1 2 33 | 3.885 | 134.54E | • | 1.575 | 143.75E | | 13 | |
| 708 | 50002 | 50 | MBS. | 1 16 0 | 3.715 | 126.18F | | .79N | 107.93E | | 14 | |
| 709 | 50002 | 50 | | 5 18 14 | .78N | 76.70E | | 2.235 | 88.79E | | 98 | |
| | | | MBS. | | | | | | | | | |
| 710 | 50002 | 50 | MBS. | 5 20 1 | .64N | 75.15E | • | 9 . 45N | 39.48E | | 2 | |
| 711 | 50002 | 50 | MBS. | 6 7 36 | 1.91N | 66.56E | • | •525 | 56.77E | | 1.1 | |
| 712 | 50002 | 50 | MBS. | 7 8 41 | 4.57N | 48.41E | | 3.15N | 42.73E | | 25 | |
| 713 | 50002 | | | 7 20 17 | | | | | | | 13 | |
| | | 50 | MB5. | | 4.60N | 40.31E | - | 1.545 | 64.99E | | | |
| 714 | 50002 | 50 | MBS. | 7 22 7 | 4.54N | 39.07E | • | 10.38N | 15.47E | | 2 | |
| 715 | 50002 | 50 | MBS. | 8 8 21 | 5.05N | 54.19E | | 12.55N | 23.96E | | 10 | |
| 716 | 50002 | 50 | MBS. | 8 23 4 | 5.92N | 21.45E | | 10.56N | 2.89E | | 15 | |
| | | | | | | | | | | | | |
| 717 | 50002 | 50 | MBS. | 9 10 44 | 4.12N | 14.08E | • | 4.48N | 15.54E | | 1 1 | |
| 718 | 50002 | 50 | MBS. | 10 0 8 | 1.68N | 4.30E | | 5.93N | 12.77W | | 14 | |
| 719 | 50002 | 50 | MBS. | 10 11 44 | .075 | 3.57W | | 1.87N | 4.21E | | 11 | |
| | | | | | | | | | | | | |
| 720 | 50002 | 50 | MBS. | 11 1 8 | 2.96N | 13.50W | • | 5.91N | 25.33W | | 14 | |
| 721 | 50002 | 50 | MBS. | 11 12 47 | 4.01N | 20.44W | • | 6.20N | 11.61W | | 1.1 | |
| 722 | 50002 | 50 | MBS. | 12 2 11 | 4 . 1 7N | 27.56W | | 7.57N | 41.18W | | 14 | |
| 723 | 50002 | 50 | MBS. | 12 13 48 | 3.34N | 35.03W | | 5.27N | 27.29W | | 11 | |
| | | | | | | | | | | | | |
| 724 | 50002 | 50 | MBS. | 16 6 14 | 3.87N | 91.70W | • | 5.98N | 100 · 12h | | 89 | |
| 725 | 50002 | 50 | MBS. | 16 19.37 | 1.095 | 103.00W | • | 8.075 | 131.24W | | 13 | |
| 726 | 50002 | 50 | MBS. | 17 7 17 | .325 | 111.27W | | .26N | 113.63W | | 12 | |
| 727 | 50002 | 50 | MBS. | 17 20 39 | .94N | 119.74W | | 5.625 | 146.23W | | 13 | |
| | | | | | | | | | | | | |
| 728 | 50002 | 50 | MBS. | 18 8 17 | 2.36N | 126.76W | • | 2.56N | 127.57W | | 12 | |
| 729 | 50002 | 50 | MBS. | 18 21 43 | 4.65N | 134.69W | • | 2.465 | 163.55W | | 13 | |
| 730 | 50002 | 50 | MBS . | 19 9 18 | 6.21N | 140.16W | | 6.87N | 142.83W | | 12 | |
| | | | | | | | | | | | | |
| 731 | 50002 | 50 | MBS. | 19 20 54 | 5.985 | 141.03W | | 3.565 | 131.38W | | 11 | |
| 732 | 50002 | 50 | MBS. | 20 8 32 | 8.16N | 147.54W | • | .175 | 113.81W | | 12 | |
| 733 | 50002 | 50 | MBS. | 20 10 18 | 8.09N | 148.01W | • | 12.04N | 163.91W | | 2 | |
| 734 | 50002 | 50 | MBS. | 20 21 59 | 7.41N | 151.83W | | 0 | 0 | | - 11 | |
| | | | | | | | | | | | | |
| 735 | 50002 | 50 | MBS. | 21 9 31 | 7.79N | 156.48W | • . | 2.48N | 134.97W | | 12 | |
| 736 | 50002 | 50 | MBS. | 21 21 23 | 7 . 1 8N | 163.85W | | 0 | 0 | | 12 | |
| 737 | 50002 | 50 | MBS. | 23 0 2 | 7.40N | 179.33W | | 4.66N | 169.62E | | 27 | |
| 738 | 50002 | 50 | MBS. | 23 11 35 | 8.64N | 174.74E | • | 4.08N | 166.87W | | 11 | |
| | | | | | | | | | | | | |
| 739 | 50002 | 50 | MBS. | 23 23 18 | 9.98N | 169.24E | • | 17.56N | 159.61W | | 12 | |
| 740 | 50002 | 50 | MBS . | 24 12 35 | 8.42N | 164.71E | • | 6.35N | 173.03E | | 13 | |
| 741 | 50002 | 50 | MBS. | 25 0 18 | 8.91N | 158.98F | | 14.31N | 179.05W | | 12 | |
| | | | | | | | | | | | | |
| 742 | 50002 | 50. | MBS. | 25 13 38 | 10.66N | 148.71E | | 7.97N | 159.40E | | . 13 | |
| 743 | 50002 | 50 | MBS . | 26 21 | 10.50N | 148.23E | • | 13.57N | 160.77E | | 12 | |
| 744 | 50002 | 50 | MBS . | 26 14 38 | 11.74N | 142.44E | | 13.20N | 136.62E | | 13 | |
| 745 | 50002 | | MBS. | | 11.86N | 137.53E | | 12.62N | | | 12 | |
| | | 50 | | | | | | | 140.67E | | | |
| 746 | 50002 | 50 | MBS. | 28 14 52 | 14.90N | 128.97E | • | 11.50N | 142.74E | | 36 | |
| 747 | 50002 | 50 | MBS. | 29 2 37 | 15.93N | 126.89E | • | 19.35N | 140.81E | | 12 | |

| CARD | ADDRESS | AI | TITUDE | DAV | н н | MM | LATITUDE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA | HRS |
|------|---------|----|--------|-----|-----|-----|----------|-----------|------|----------|-----------|------|-------|-----|
| 748 | 50002 | 50 | MBS. | 33 | | 58 | 15.36N | 101.25E | | 14.75N | 98.68E | | 98 | |
| 749 | 50002 | 50 | MBS. | 34 | | 56 | 14.91N | 97 • 72E | | 8.71N | 73.59E | | 25 | |
| 750 | 50002 | 50 | MBS. | 34 | 17 | 26 | 13.96N | 93.98E | | 12.23N | 100.97E | | 12 | |
| 751 | 50002 | 50 | MBS. | 35 | | īĭ | 12.59N | 89.60E | • | 15.91N | 103.28E | | 12 | |
| 752 | 50002 | 50 | MBS. | 35 | 18 | 27 | 10.16N | 83.42F | | 11.09N | 79.67E | | 13 | |
| 753 | 50002 | 50 | MBS. | 37 | | 43 | 10.40N | 56.52F | • | .70N | 96.22E | | 48 | |
| 754 | 50002 | 50 | MBS. | 37 | | 30 | 10.36N | 55.39E | | 12.53N | 46.67E | | 2 | |
| 755 | 50002 | 50 | MBS. | | | 47 | 12.12N | 48.27F | | 0 | 0 | | 23 | |
| 756 | 50002 | 50 | MBS . | 40 | 21 | 49 | 2.50N | 19.99E | • | 2.075 | 38.30E | | 50 | |
| 757 | 50002 | 50 | MBS . | 41 | 22 | 51 | .49N | 2.26E | • | 4.985 | 24 . 17E | | 25 | |
| 758 | 50002 | 50 | MBS. | 42 | 23 | 53 | .54N | 14.36W | • | 5.515 | 10.06E | | 25 | |
| 759 | 50002 | 50 | MBS. | 44 | | 54 | 1.19N | 31.65W | • | 5.845 | 3.23W | | 25 | |
| 760 | 50002 | 50 | MBS. | 44 | 14 | 18 | 1.78N | 41.29W | • | 3.16N | 35.82W | | 14 | |
| 761 | 50002 | 50 | MBS. | 50 | 7 | 1 | 3.02N | 126.55W | • | 5.585 | 91.70W | | 137 | |
| 762 | 50002 | 50 | MBS. | 50 | 8 | 47 | 3.02N | 127.42W | • | 6.53N | 141.51W | | 2 | |
| 763 | 50002 | 50 | MBS. | 50 | 20 | 26 | 3.58N | 134.21W | • | 5.20N | 127.74W | | 12 | |
| 764 | 50002 | 50 | MBS. | 51 | 8 | 3 | 2.92N | 140.75W | • | 5.155 | 108.06W | | 12 | |
| 765 | 50002 | 50 | MBS. | 51 | 9 | 50 | 2.80N | 141.80W | • | 6.77N | 157.75W | | 2 | |
| 766 | 50002 | 50 | MBS. | 51 | 21 | 28 | 2.80N | 147 . 94W | • | 3.76N | 144.09W | | 12 | |
| 767 | 50002 | 50 | MBS. | 52 | 9 | 4 | 2.50N | 154.27W | • | 4.695 | 125 . 18W | | 12 | |
| 768 | 50002 | 50 | MBS. | 53 | 23 | | 1.34N | 178.72E | • | 3.72N | 171.69W | | 38 | |
| 769 | 50002 | 50 | MBS. | 55 | _ | 33 | .54N | 161.22E | • | 4.02N | 175.25E | | 25 | |
| 770 | 50002 | 50 | MBS. | 56 | | 33 | .875 | 147.80E | • | 1.89N | 158.92E | | 25 | |
| 771 | 50002 | 50 | MBS . | 5-6 | | 10 | .865 | 142.80E | • | 8.435 | 173.41E | | 12 | |
| 772 | 50002 | 50 | MBS. | 58 | | 36 | .215 | 119.81E | | 1.22N | 125.58E | | 38 | |
| 773 | 50002 | 50 | MBS. | 61 | - | 39 | .03N | 73.32E | • | 1.70N | 79.97E | | 75 | |
| 774 | 50002 | 50 | MBS. | 61 | 18 | | 1.82N | 65 • 79E | • | 6.215 | 98.35E | | 12 | |
| 775 | 50002 | 50 | MBS. | 62 | 7 | 40 | 3.12N | 55.38E | • | 5.65N | 65.52E | | 13 | |
| 776 | 50002 | 50 | MBS. | 63 | | 41 | 3.705 | 35.54E | | 1.73N | 57.34E | | 25 | |
| 777 | 50002 | 50 | MBS. | 64 | 11 | 28 | 1.24N | 12.99E | • | 3.105 | 4.40W | | 27 | |
| 778 | 50002 | 50 | MBS. | 64 | 23 | 7 | .45N | 2.73E | • | 2.935 | 16.29E | | 12 | |
| 779 | 50002 | 50 | MBS. | 66 | 0 | 7 | 11.81N | 14.15W | | 6.38N | 7.60E | | 25 | |
| | 50002 | 50 | MBS. | 66 | 0 | 7 | .51N | 14.10W | • | 3.585 | 138.45W | | 25 | |
| | 50002 | 50 | MBS. | 70 | 19 | 23 | 2.55N | 103.63W | • | 2.935 | 125.66W | | 115 | |
| | 50002 | 50 | MBS. | 71 | 20 | 24 | 1.875 | 120.00W | * | 6.385 | 138.00W | | 25 | |
| | 50002 | 50 | MBS. | 72 | 8 | 0 | 2.92N | 126.75W | • | 1.41N | 120.71W | | 12 | |
| | 50002 | 50 | MBS. | | 10 | 37 | 2.50N | 103.02W | | 4.995 | 133.44W | | 11 | |
| | 50002 | 50 | MBS. | | 50 | 44 | 2.16N | 150.88W | * | 9.82N | 119.68W | | 25 | |
| | .50002 | 50 | MBS. | | 22 | 28 | 2.44N | 152.03W | | 1.905 | 169.43W | | 2 | |
| | 50002 | 50 | MBS. | | 21 | 44 | 2.72N | 163.80W | * | 9.24N | 137.43W | | 23 | |
| | 50002 | 50 | MBS. | 75 | 11 | 5 | 1.19N | 171.49W | * | .46N | 68.58W | | 14 | |
| | 50002 | 50 | MBS. | 75 | 22 | 45 | 1.43N | 179.29W | * | 8 - 14N | 151.97W | | 11 | |
| | 50002 | 50 | MBS. | 76 | 0 | 32 | 1.73N | 179.49E | * | 3.545 | 158.37E | | 2 | |
| | 50002 | 50 | MBS. | 76 | 12 | 5 | 3.17N | 171.29E | * | 1.32N | 178.69E | | 12 | |
| | 50002 | 50 | MBS. | 76 | 23 | 47 | 3.96N | 163.56E | * | 11.24N | 166.86W | | 11 | |
| | 50002 | 50 | MBS. | 77 | 13 | 7 | 7.89N | 156.10E | * | 5.57N | 165.41E | | 14 | |
| | 50002 | 50 | MBS. | 78 | 0 | 50 | 8.23N | 149.77E | • | 14.22N | 174.39E | | 11 | |
| | 50002 | 50 | MBS. | 78 | 14 | 7 | 8.65N | 142.14E | * | 6.87N | 149.25E | | 14 | |
| | 50002 | 50 | MB5. | 78 | 22 | 6 | 25.035 | 136.24W | | 31.435 | 162.91W | | 8 | |
| | 50002 | 50 | MBS. | 79 | 15 | 1.1 | 5.72N | 125.81E | • | 3.80N | 133.46E | | 17 | |
| | 50002 | 50 | MBS. | 82 | 18 | 13 | 8.75N | 63.54E | | .945 | 103.23E | | 75 | |
| | 50002 | 50 | MBS. | 84 | 8 | 43 | 8.55N | 35.05E | | 12.72N | 51.88E | | 38 | |
| | 50002 | 50 | MBS. | 84 | | 3 | 8.36N | 25.58E | | 7.65N | 28.41E | | 14 | |
| | 50002 | 50 | MBS. | 35 | | 44 | 8.55N | 18.00E | | 13.53N | 38.07E | | 11 | |
| | 50002 | 50 | MBS. | 85 | 23 | | 7.52N | 14.75E | * | 9.02N | 8.78E | | 14 | |
| | 50002 | 50 | MBS. | 86 | 10 | 44 | 7.99N | 15.36E | | 7.09N | 11.75E | | 11 | |
| | 50002 | 50 | MBS. | | 22 | | 7.68N | 14.09E | • | 3.45N | 31.02E | | 12 | |
| | | - | | | | | | | | · · | | | - | |

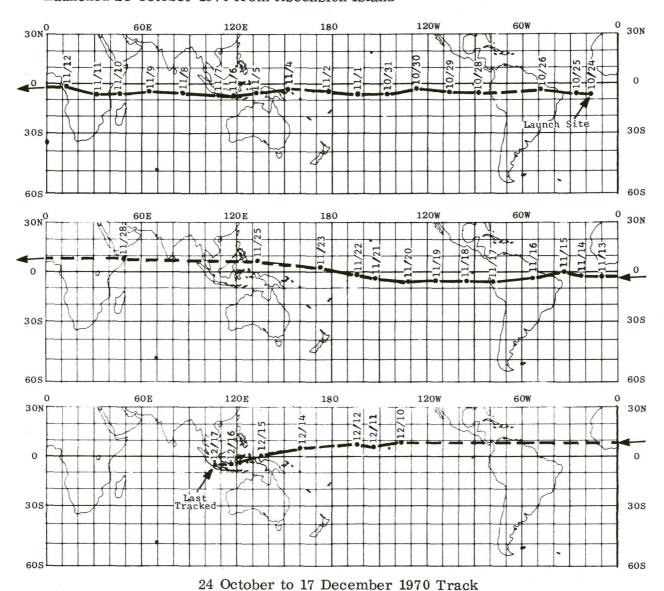
Track of Balloon Package No. P-28
Floating at about 50 mb
Launched 23 October 1970 from Ascension Island



23 October to 24 October 1970 Track

| P28 LAU | NCHED 23 | OCT: 70 2 | DAYS | | | | | | | |
|---------|----------|-----------|----------|-------------|-----------|------|----------|-----------|------|-----------|
| CARD | ADDRESS | ALTITUDE | DAY HR ! | MM LATITUDE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA HRS |
| 1460 | 41020 | 50 MBS. | 296 13 | 13 7.765 | 16.77W | • | 9.235 | 22.69W | | C |
| 1461 | 41020 | 50 MB5. | 297 0 5 | 56 9.39S | 22.67W | • | 11.385 | 14.60W | | 11 |
| 1462 | 41020 | 50 MBS. | 297 14 | 13 9.695 | 30.32w | • | 11.765 | 38.67W | | 14 |

Track of Balloon Package No. P-16 Floating at about 50 mb Launched 24 October 1970 from Ascension Island



916 LAUNCHED 24 OCT 70 54 DAYS ADDRESS ALTITUDE DAY HR MM LATITUDE LONGITUDE FLAG LATITUDE LONGITUDE FLAG DELTA HRS 297 12 28 7.325 16.40W 3.645 1.65W 1219 4420 50 MB5. 1220 4420 50 MRS. 298 0 9 5.935 23.39W 13.965 9.45E 12 54 39.93W 1221 4420 50 MBS. 298 5.775 24.80W 2.005 2 1222 4420 50 MRS. 299 2 57 4.425 40.37W .955 54.39W 12 1223 4420 50 MBS . 299 14 33 3.805 49.17W -47N 32.03W 301 78.86W 0 15 1224 4420 50 MBS. 5 6.025 0 9.595 105.50W 13 18 18 87 . 82 W 1225 4420 50 MRS. 301 5.225 94 . 14W 0 12 5.615 0 1226 4420 50 MBS. 302 6 3 19 20 105 . 82 W 8.175 118.57W 50 302 5.015 13 1227 4420 MBS. 303 4.595 6.915 1.04 . 7 4 W 12 1228 4420 50 MBS. 114.14W 3 130.07W 4420 50 303 20 23 3.125 126.46W 4.025 13 1229 MBS. 304 135.61W 10.095 114.82W 12 1230 4420 50 MBS. 8 5.015 146.23W MBS. 304 21 23 5.555 139.65W 13 1231 4420 50 7.185 1232 4420 50 MBS . 305 9 5 9.055 154.79W 15.495 128.56W 12 10 53 MBS . 1233 4420 50 305 9.205 156.19W 3.845 178.01W 2 MBS. 1234 4420 50 305 22 26 7.315 163.19W 4.885 153.43W 12 167.00W 159.92E 5.165 1.525 25 27 1235 4420 50 MRS. 306 23 27 178.35F 4420 50 308 159.92E 1236 15 MBS . 13 54 308 152.28E 2.035 143.13E 1237 4420 50 MBS. 4.325 11 1238 309 1 32 4.275 143.30E 1.33N 165.83E 12 4420 50 MBS. 1239 4420 50 MBS. 309 14 57 6.175 132.43E 5.815 130.95E 13 4420 310 6.755 117.57E 6.085 114.85F 26 1240 50 MBS. 10 1 6.725 109.32E 88.73F 13 1241 4420 50 MBS. 311 5 17 11.795 6.805 92 . 19E 11.085 75.03E 25 1242 4420 50 MBS. 312 6 20 1243 4420 50 MB5. 312 18 6.345 84.20F 7.005 86.83E 12 1244 4420 50 MBS. 313 7 23 5.595 73.83F 8.585 61.84F 13 1245 4420 50 MB5. 313 19 3 5.345 65.00E 7.935 75.44F 12 1246 4420 50 MRS. 314 8 21 6.155 54.34F 7.125 50.44F 13 9.695 1247 4420 50 MBS. 314 20 3 5.895 46.98F 62.27F 12 314 21 52 5.875 2 2.29N 12.50F 1248 4420 F 0 MBS. 46.02F 12 -0 9 23 6.805 35.17F 1249 4420 MRS. 315 5.895 38.83F 315 21 5.725 9.865 47.68F 1250 30 . 94F 12 4420 50 MBS. 1251 4420 50 316 10 27 21.14E 0 0 13 1252 4420 50 MB5. 316 22 7 1.795 12.05E 8-045 37.30F 12 .365 1253 4420 50 317 11 28 1.IIE 1.40N 8.17E 13 MBS . 1254 317 23 7 1.625 9.98W 8.025 29.59E 12 4420 50 MRS. 318 12 30 1.89N 22.32W .98W 13 1255 4420 50 MBS. 7.20N 1256 4420 50 MB5. 319 1 55 .085 31.59W 0 0 13 1257 4420 50 320 16 17 3.345 62.70W 5.445 71.13W 39 MBS. MB5. 1258 4420 50 321 5.315 71.57W 8.995 56.50W 12 1259 50 4420 MBS . 321 17 16 5.985 79.40W 7.105 83.97W 13 1260 4420 50 MBS. 322 5 5.895 86.79W 9.535 72.15W 12 94.97W 1261 4420 50 MB5. 322 18 17 4.715 5 . 875 99.67W 13 50 4.505 104.48W 9.395 1262 4420 MBS. 323 6 2 84.69W 12 4.565 7 46 134.07W 1263 4420 50 MRS. 323 105.87W 2.38N 2 323 19 19 5.375 4.925 111.78W 4420 50 113.61W 1264 MRS. 12 .555 148.75W 13 4420 324 6.765 123.17W 1265 50 MB5. 8 52 50 324 20 23 6.305 4.595 124.55W 1266 4420 131.41W MBS. 12 1267 4420 50 325 5 5.485 140.46W 12.685 111.05W MBS . 8 12 1268 4420 50 MB5. 325 1.53N 140.32W 6.06N 158.54W 325 21 25 151.67W 137.25W 12 1269 4420 50 MBS. 2.585 1.01N 10 51 168.34W 1270 4420 50 MB5. 326 1.395 163.41W .155 13 25 39 1271 4420 50 MBS. 327 11 50 2.64N 173.04F .455 174.55W 329 1272 11.35N 4420 50 MRS. 2 20 8.07N 133.58F 146.73E 50 1273 4420 MBS . 332 8 55 9-07N 48.54E 5.38N 33.80F 77 344 21 10 345 8 45 1274 50 8.59N 136.23W 4420 MRS. 5.34N 149.12W 61 143.39W 1275 4420 50 8 . 29N 3.50N 124 . IOW MBS. 1276 4420 50 MBS. 345 22 12 7.08N 152.83W 0 0 14 1277 4420 46 5.76N .255 137.66W 50 MBS. 346 162.04W 12 1278 348 4420 50 MBS. 0 19 6.22N 169.20E 7.29N 173.37E 39 1279 4420 50 MBS. 348 11 51 5.20N 159.60F 4.315 161.72W 11 1280 4420 50 MBS. 349 3.48N 148.97F 7.17N 163.93E 1281 4420 50 MBS. 349 12 55 1.29N 138.92E 10.115 173.91W 1282 4420 50 349 14 39 1.00N 136.94E 0 0 MB5. 2

125.78E

116.55E

106.35F

5.705

5.665

0

107.11E

96.36F

0

11

1283

1284

1285

4420

4420

4420

50

50

50

MBS .

MB5.

MB5.

350 4

351 5 5

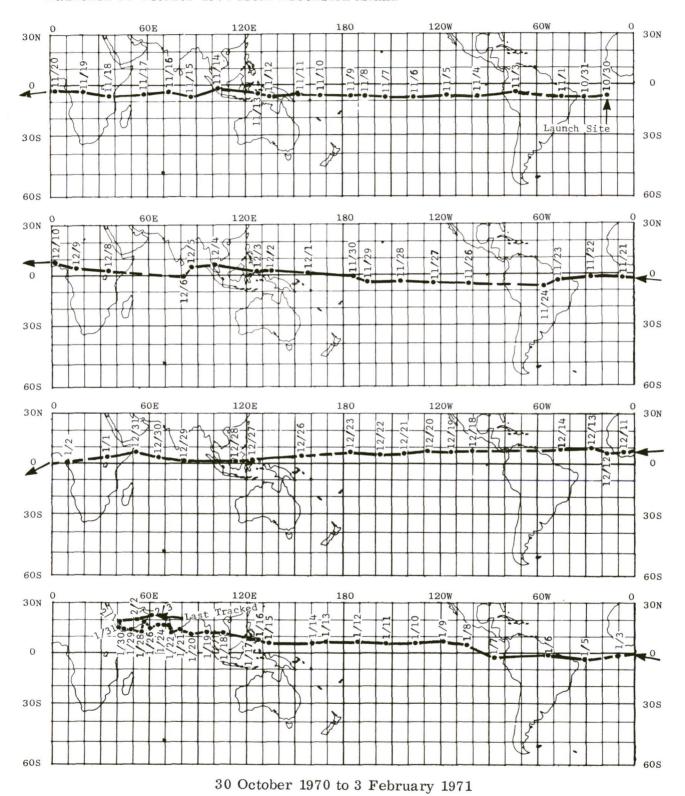
350 15 44

1.095

2.995

3.175

Track of Balloon Package No. P-29 Floating at about 50 mb Launched 30 October 1970 from Ascension Island



5-47

P29 LAUNCHED 30 OCT 70 96 DAYS ALTITUDE DAY HE MM LATITUDE LONGITUDE FLAG LATITUDE LONGITUDE FLAG DELTA HES CARD ADDRESS 1463 42010 50 MB5. 303 13 13 8.405 16.55W . 9.945 22.80W 0 MBS. 1464 42010 50 304 0 55 7.865 21.89W 9-645 14.73W 1 1 10.595 39.41W 1465 42010 50 MRS. 304 14 13 8.355 30.38W 35.51W 0 0 1466 42010 50 MRS. 305 1 56 8.685 55.87W 10.345 305 15 14 44.80W 42010 50 7.605 1467 MRS. 307 5.105 72.68W 9.405 55 . 13W 37 1468 50 MBS . 1469 42010 50 308 6 49 8.005 91.82W 1.365 118.97W 26 1470 50 308 18 19 7.905 96.63W 0 0 12 42010 MBS . 7 49 134.12W 1471 7.275 106.97W .625 42010 50 MBS. 309 13 6.065 1472 309 19 20 115.40W 4.665 109.75W 42010 50 MRS. 8 49 1473 42010 50 MBS. 310 5.375 127.07W 1.095 144.34W 13 1474 42010 50 MBS. 310 20 23 6.605 135.70W 2.825 120.45W 12 1475 42010 50 MBS. 311 9 51 6.725 144.11W 3.105 158.76W 13 311 21 25 6.835 135.06W 12 1476 42010 50 MBS. 151.67W 2.695 1477 7.535 159.88W 4.015 174.07W 13 42010 50 MRS. 312 10 52 1478 312 22 26 6.725 167.10W 2.575 150.38W 12 50 42010 MRS. 1479 313 11 53 177.20W 4.135 172.73W 13 50 MBS. 6.645 42010 313 23 28 7.085 174.99E 1.675 163.25W 12 1480 50 MBS. 42010 13.915 50 7.325 173.89E 147.25F 2 42010 MBS. 314 14 1481 1482 42010 50 MBS. 314 12 54 167.60E 4.805 156.95E 315 13 55 5.675 152.45E 3.155 142.29E 25 1483 42010 50 MBS. .475 316 1 32 5.675 144.46F 165.34E 12 1484 42010 50 MB5. 1485 42010 50 MRS. 316 14 56 6.475 135.31F 4.685 128.16E 13 2 33 1486 42010 50 MBS. 317 4.995 127.96F 0 0 12 138.49E 2.515 1487 42010 50 MBS. 318 3 29 9.165 111.34F 25 318 17 0 101.64F 0 1488 42010 50 MRS. 3.325 0 4 34 94.04F 3.22N 122.42E 3.805 1489 42010 50 MRS. 310 87 . 10E 18.215 1490 42010 50 319 16 15 6.695 135.05E MRS. 320 19 2 321 20 4 3.895 69.97E 27 1491 42010 50 MBS. 4.315 71.66E 50 1492 MB5. 5.075 58.33E 3.635 52.52E 25 42010 1493 42010 50 MBS. 322 0 24 6.575 43.72F 9.735 30.98F 13 1494 42010 50 MB5. 322 21 5 5.985 36.74F 7.355 42.29E 12 1495 42010 50 MBS . 323 10 27 4.585 28.14F 7.875 15.03E 13 1496 42010 50 MB5. 323 22 7 3.885 20.23F 6.055 28.98F 12 324 11 28 1407 42010 50 MRS . 3.415 10.28F 5.645 1.38E 13 1408 16.08F 42010 50 MRS. 324 23 8 3.485 2.39F 6-865 12 1499 325 12 29 2.095 7 . 62W 3.255 12.29W 13 42010 50 MRS. 7.225 5.33E 1500 42010 1.695 17.11W 12 50 MBS. 326 0 8 326 13 30 1501 42010 50 1.395 23.24W 1502 42010 50 MB5. 327 2 56 2.055 38.41W 2.215 55.49W .435 1503 42010 50 MBS. 327 14 33 4.015 47.90W 33.52W MBS. 1504 42010 50 328 4 1 8.205 56.64W 4.645 71.18W 1505 42010 50 MRS. 330 6 2 4.525 89.79W 2.535 97.83W 50 1506 42010 50 MBS . 330 19 20 5.015 101.78W 10.165 122.60W 13 1507 42010 124.42W 50 MRS. 331 20 22 332 21 25 5.165 6.895 131.46W 25 1508 42010 50 MBS. 3.755 143.79W 0 0 25 1509 42010 50 MBS. 333 10 51 3.305 155.29W 1.94N 176.48W 13 1510 42010 50 MBS. 333 22 26 2.805 165.09W .115 154.27W 12 171.87E 1511 42010 334 23 28 5.85N 50 MBS. .155 163.96W 25 1512 42010 50 MB5. 335 170.12E . 18N 5.595 146.85F 335 12 52 1513 42010 50 MRS. .83N 159 . 19F 1.335 167.87E 1514 2.51N 42010 50 2 19 147.08F MBS . 336 .06N 137.30F 14 1515 50 336 13 52 42010 MRS. 3.70N 137.38F 1.815 159.62F 11 1516 42010 50 MRS. 337 3 20 2.60N 126.23F 2.75N 126.81E 14 1517 42010 50 MRS. 338 17 42 7.36N 101.36F 11.46N 84.87F 38 1518 50 330 5 22 7.51N 93.76E 95.48E 42010 MRS. 7 - 94N 12 1519 50 339 16 57 89.51F 42010 MBS. 6.68N .055 116.67F 11 1520 42010 50 339 18 45 88.36F 11.54N MBS. 6.22N 66.96F 2 1521 42010 50 340 6 21 .915 81.84E MBS . 1.125 12 81.04F 1522 42010 50 MBS. 342 8 25 .855 56.86E 3.735 45.35F 50 342 20 1523 42010 50 MB5. 3.76N 34.85E 6.575 77.13E 12 1524 342 21 48 42010 50 MBS . 3.46N 33.25E 4.83N 27.78E 1525 343 9 27 42010 50 MBS . 3.31N 24.04E 8 . 17N 43.61E 12 1526 42010 50 MBS. 343 22 51 4.51N 15.84E 4.76N 14.83F 13 6 . 44N MB5. 7.11E 11.70N 28.21E 1527 42010 50 344 10 28 1528 42010 50 MRS. 344 12 15 6.99N 5.97E 21.53W 2 .16N 1529 42010 50 MRS. 344 23 51 8.61N 1.00E 0 0 1530 42010 50 MRS. 345 13 16 7 - 93N 5.45W .735 40.72W 14 1531 8.17N 11.27W 42010 50 MBS. 346 0 51 9.67N 17.26W

16.85W

12.79F

9.70N

12.44N

8.96W

18.71W

12

346 12 33

7.74N

4 - 72N

1532

1533

42010

42010

50

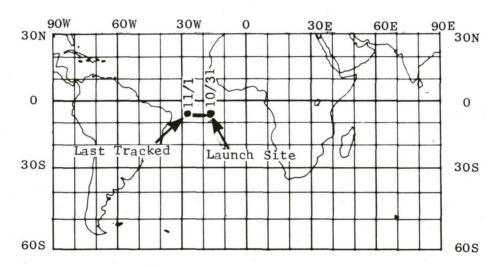
MBS.

MBS.

| CARD | ADDRESS | ALT | ITUDE | DAY | HR | MM | LATITUDE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA HRS |
|--------------|----------------|----------|--------------|------------|-----|----|----------------|--------------------|------|-----------------|--------------------|------|-----------|
| 1534 | 42010 | 50 | MBS . | 347 | 13 | 34 | 9.48N | 27 . 14 W | • | 8.90N | 29.48W | | 13 |
| 1535 | 42010 | 50 | MBS . | 348 | 1 | 8 | 9.04N | 35.45W | • | .95N | 2.78W | | 12 |
| 1536 | 42010 | 50 | MBS . | 348 | 2 | 53 | 9.15N | 36.36W | | 13.13N | 52.40W | | 2 |
| 1537 | 42010 | 50 | MB5. | 348 | 14 | 32 | 9.20N | 45.39W | • | 10.00N | 42.21W | | 12 |
| 1538 | 42010 | 50 | MB5. | 352 | 6 | 57 | 8.13N | 92.33W | • | 14.68N | 119.04W | | 8.8 |
| 1539 | 42010 | 50 | MBS . | 352 | 18 | 38 | 8 • 4 ON | 100.39W | | 6.32N | 108.69W | | 12 |
| 1540 | 42010 | 50 | MBS. | 353 | | 13 | 8 . 34N | 106.35W | * | 2.98N | 84.78W | | 12 |
| 1541 | 42010 | 50 | MBS. | 353 | 19 | 40 | 8.31N | 113.72W | • | 5.31N | 125.71W | | 13 |
| 1542 | 42010 | 50 | MBS. | 354 | 20 | 41 | 8 • 27N | 129.10W | • | 5.31N | 140.96W | | 25 |
| 1543 | 42010 | 50 | MBS. | 355 | 8 | 15 | 7 • 92N | 135.10W | • | 3.51N | 17.32W | | 12 |
| 1544 | 42010 | 50 | MBS. | 355 | | | 6.75N | 142.12W | • | 2.89N | 157.61W | | 13 |
| 1545 | 42010 | 50 | MBS. | 356 | 9 | 17 | 5.74N | 148.89W | • | 2.26N | 134.99W | | 12 |
| 1546 | 42010 | 50 | MBS. | 356 | | 44 | 4.61N | 157.98W | • | 1 • 26N | 171.47W | | 13 |
| 1547 | 42010 | 50 | MBS. | 357 | | 18 | 5.44N | 165.79W | | 1.30N | 149.10W | | 12 |
| 1548 | 42010 | 50 | MBS. | 357 | | 0 | 6 • 97N | 173.62W | • | 15.93N | 136.86W | | 12 |
| 1549 | 42010 | 50 | MBS. | 357 | - | | 7.37N | 174.95W | • | 4.48N | 173.38E | | 2 50 |
| 1550 | 42010 | 50 | MBS. | 360 | 1 | 51 | 4.64N 1.75N | 153.89E | : | 2.26N 2.09N | 144.39E 134.86E | | 25 |
| 1551 | 42010 | 50 50 | MBS. | 361 | 14 | | 1.60N | 133.49E 123.66E | | 6.415 | 156.08E | | 12 |
| 1552 1553 | 42010 42010 | 50 | MBS. | 361 361 | 16 | 14 | 1.57N | 122.26E | | 5.45N | 106.71E | | 2 |
| 1554 | 42010 | 50 | MBS. MBS. | 362 | 3 | 49 | .15N | 112.54E | | 3.31N | 125.29E | | 11 |
| 1555 | 42010 | 50 | MBS. | 363 | 6 | 36 | 1.21N | 88.41F | | 4.175 | 66.71E | | 27 |
| 1556 | 42010 | 50 | MBS. | 363 | | 15 | •52N | 80.50E | | .705 | 85.43E | | 12 |
| 1557 | 42010 | 50 | MB5. | 364 | 7 | 38 | .69N | 73.08E | | 4.645 | 51.64E | | 13 |
| 1558 | 42010 | 50 | MBS. | 364 | 19 | 15 | 2.72N | 66.82E | | 2.02N | 69.64E | | 12 |
| 1559 | 42010 | 50 | MBS. | 365 | | 40 | 5.00N | 59.47E | | 1.565 | 32.82E | | 13 |
| 1560 | 42010 | 50 | MB5. | 365 | | 16 | 6.50N | 50 • 59E | | 4.99N | 56.86E | | 12 |
| 1561 | 42010 | 50 | MBS. | 30.5 | 7 | 55 | 4.75N | 42.17E | | 11.64N | 69.95E | | 11 |
| 1562 | 42010 | 50 | MBS. | i | | 18 | 2.45N | 32.35E | | 05 | 42.24E | | 14 |
| 1563 | 42010 | 50 | MBS. | 2 | 22 | | 1.11N | 10.26F | | 4.365 | 32.31E | | 25 |
| 1564 | 42010 | 50 | MBS. | 3 | 23 | 22 | 2.725 | 10.96W | | 10.505 | 20.51E | | 25 |
| 1565 | 42010 | 50 | MBS . | 5 | 0 | 24 | 2.935 | 30.65W | | 12.645 | 9.08E | | 25 |
| 1566 | 42010 | 50 | MBS . | 6 | 3 | 12 | 1.525 | 48.92W | | .315 | 53.74W | | 27 |
| 1567 | 42010 | 50 | MBS . | 7 | 7 | 4 | 4.005 | 76.25W | | 8.095 | 59.63W | | 28 |
| 1568 | 42010 | 50 | MBS. | 7 | 17 | 34 | 2.555 | 86.90W | | 0 | 0 | | 12 |
| 1569 | 42010 | 50 | MBS. | 8 | 7 | 0 | .54N | 96.15W | | 6.30N | 119.33W | | 14 |
| 1570 | 42010 | 50 | MBS. | 8 | 18 | 38 | 4.96N | 104.08W | | 0 | 0 | | 11 |
| 1571 | 42010 | 50 | MBS . | 9 | 8 | 1 | 7.29N | 112.02W | • | 12.03N | 131.03W | | 14 |
| 1572 | 42010 | 50 | MBS . | 9 | 19 | 41 | 7.69N | 119.29W | | 7.32N | 120.75W | | 1.1 |
| 1573 | 42010 | 50 | MBS. | 10 | 7 | 17 | 6.94N | 126.11W | • | .255 | 97 . IOW | | 12 |
| 1574 | 42010 | 50 | MBS. | 10 | 9 | 1 | 4.84N | 138.03W | | 0 | 0 | | 2 |
| 1575 | 42010 | 50 | MBS . | 10 | 20 | 42 | 5.79N | 134.92W | | 0 | 0 | | 1.1 |
| 1576 | 42010 | 50 | MBS . | 1.1 | 10 | 1 | 5.38N | 143.67W | | 0 | 0 | | 1 4 |
| 1577 | 42010 | 50 | MBS. | 11 | | 43 | 5 . 85N | 152.57W | * | 6.94N | 148.22W | | 11 |
| 1578 | 42010 | 50 | MBS. | 12 | 9 | 17 | 7 - 15N | 161 . 14W | • | 2.045 | 123.78W | | 12 |
| 1579 | 42010 | 50 | MBS. | | | 5 | 7.27N | 162.40W | • | 9.94N | 173 - 14W | | 2 |
| 1580 | 42010 | 50 | MBS. | 12 | | 45 | 7.33N | 171.07W | • | 9.73N | 161.42W | | !! |
| 1581 | 42010 | 50 | MB5. | 13 | 12 | 4 | 7 • 85N | 177.69E | • | 8.30N | 175.85E | | 14 |
| 1582 | 42010 | 50 | MBS. | 13 | 23 | 47 | 7.86N | 169 • 26E | • | 12.21N | 173 · 10W | | 11 |
| 1583 | 42010 | 50 | MB5. | 14 | | 6 | 7 • 22N | 159.62E | • | 6 - 47N | 162.63E | | 14 |
| 1584 | 42010 | 50 | MBS. | 15 | 0 | 49 | 7 - 83N | 150 • 97F | • | 13.52N 1.69N | 174.23E | | 2 |
| 1585 | 42010 | 50 | MBS. | 15 | . 2 | 35 | 7.91N | 149.80E | : | 5.11N | 124.66E | | 12 |
| 1586 | 42010 | 50 50 | MBS. | 15 | 14 | 8 | 6.32N 8.34N | 127 • 22E | | 6.61N | 147.96E 134.11E | | 25 |
| 1587 1588 | 42010 42010 | 50 | MBS. | 16 | | 35 | 8.77N | 118.96E | | 2.51N | 93.77E | | 13 |
| 1589 | 42010 | 50 | MBS. | 18 | 5 | 40 | 9.62N | 107.36E | | 1.64N | 74.77E | | 25 |
| 1590 | 42010 | 50 | MBS. | 18 | 17 | | 11.50N | 104.77E | | 13.25N | 97 • 73E | | 12 |
| 1591 | 42010 | 50 | MBS. | 19 | | 53 | 11.69N | 101.03E | | 0 | 0 | | 11 |
| 1592 | 42010 | 50 | MBS. | | 18 | | 12.67N | 95.92E | | 17.31N | 77.12E | | 12 |
| 1593 | 42010 | 50 | MB5. | 20 | 5 | | 12.76N | 91.83E | | 9.79N | 79.77E | | 11 |
| 1594 | 42010 | 50 | MB5. | | 17 | | 12.57N | 86.78E | | 7.67N | 106.81E | | 12 |
| 1595 | 42010 | 50 | MB5. | 21 | | 12 | 13.66N | 82.86E | | 19.88N | 109.02E | | 12 |
| 1596 | 42010 | 50 | MBS. | 21 | 6 | 56 | 13.67N | 82.16E | | 8.00N | 59.09E | | 2 |
| 1597 | 42010 | 50 | MBS. | | 18 | | 13.49N | 79.06E | | 11.99N | 85 · 16E | | 12 |
| 1598 | 42010 | 50 | MB5. | 22 | | 13 | 13.63N | 77.35F | | 15.47N | 84.92E | | 12 |
| 1599 | 42010 | 50 | MB5. | 22 | | | 13.27N | 74.20E | • | 16.61N | 60.42E | | 13 |
| 1600 | 42010 | 50 | MBS. | 23 | | 11 | 13.76N | 71.04E | • | 11.41N | 61.54E | | 12 |
| 1601 | 42010 | 50 | MBS. | | 18 | 46 | 16.10N | 71.30E | | 12.40N | 86.11E | | 1.1 |
| 1602 | 42010 | 50 | MBS. | 24 | 19 | 44 | 14.90N | 69.30E | | 0 | 0 | | 25 |
| 1603 | 42010 | 50 | MBS . | 25 | 7 | 27 | 15.39N | 66.24E | • | 13.29N | 57.74E | | 12 |
| 1604 | 42010 | 50 | MBS. | 26 | 6 | 43 | 17.28N | 64.60E | • | 21.01N | 79.93E | | 23 |
| 1605 | 42010 | 50 | MBS. | 26 | | 27 | 17.42N | 64.72E | • | 8.76N | 29.46E | | 2 |
| 1606 | 42010 | 50 | MBS. | 26 | | 0 | 16.50N | 65.32F | • | 18.92N | 55.67E | | 12 |
| 1607 | 42010 | 50 | MB5. | 27 | 7 | 42 | 14.39N | 63.84E | • | 11.74N | 53.10E | | 11 |
| | | | | | | | | | | | | | |

| CARD | ADDRESS | AL | TITUDE | DAY | / HF | MM S | LATITUDE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA | HRS |
|------|---------|----|--------|-----|------|------|----------|-----------|------|----------|-----------|------|-------|-----|
| 1608 | 42010 | 50 | MBS. | 27 | 19 | 12 | 14.66N | 59.52F | | 0 | 0 | | 12 | |
| 1609 | 42010 | 50 | MBS. | 28 | 6 | 58 | 15.26N | 58.11F | | 20.43N | 79.61F | | 11 | |
| 1610 | 42010 | 50 | MBS. | 28 | 20 | 15 | 13.71N | 55.60F | | 0 | 0 | | 1.4 | |
| 1611 | 42010 | 50 | MBS . | 29 | 7 | 58 | 12.94N | 52.06F | | 14.16N | 57 . 04F | | 11 | |
| 1612 | 42010 | 50 | MBS. | 29 | 19 | 27 | 14.11N | 48.56E | | 0 | 0 | | 12 | |
| 1613 | 42010 | 50 | MB5. | 29 | 21 | 14 | 14.27N | 48.22F | | 17.91N | 33.37F | | 2 | |
| 1614 | 42010 | 50 | MB5. | 30 | 7 | 13 | 14.12N | 47.33E | | 22.59N | 82.49F | | 10 | |
| 1615 | 42010 | 50 | MBS. | 30 | 8 | 58 | 13.94N | 46.90E | | 10.31N | 32.24F | | 2 | |
| 1616 | 42010 | 50 | MBS. | 30 | 20 | 33 | 13.88N | 44.29E | | 0 | 0 | | 12 | |
| 1617 | 42010 | 50 | MBS. | 31 | 8 | 16 | 14.36N | 43.44F | | 17.56N | 56.68E | | 12 | |
| 1618 | 42010 | 50 | MBS. | 31 | 19 | 44 | 14.29N | 42.75E | | 0 | 0 | | 11 | |
| 1619 | 42010 | 50 | MBS. | 32 | 9 | 14 | 15.32N | 43.29F | | 11.41N | 27.51F | | 1.4 | |
| 1620 | 42010 | 50 | MBS. | 32 | 20 | 44 | 17.88N | 43.63E | | 15.44N | 53.54E | | 11 | |
| 1621 | 42010 | 50 | MBS. | 33 | 20 | 0 | 20.21N | 52.39E | | 0 | 0 | | 24 | |
| 1622 | 42010 | 50 | MBS. | 34 | 7 | 44 | 22.26N | 56.12E | | 22.20N | 55.87E | | 11 | |
| 1623 | 42010 | 50 | MBS. | 34 | 19 | 5 | 23.34N | 61.13E | | 0 | 0 | | 12 | |

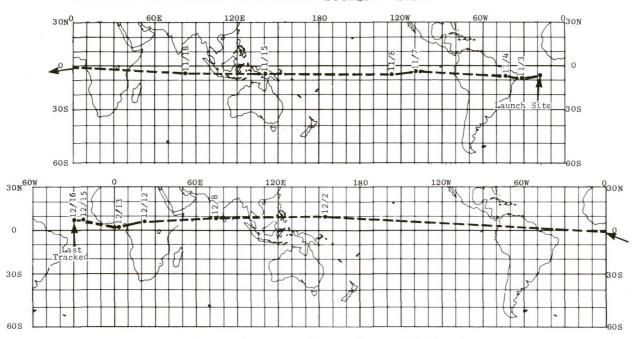
Track of Balloon Package No. P-30 Floating at about 50 mb Launched 31 October 1970 from Ascension Island



31 October to 1 November 1970 Track

| P | 30 LAUI | NCHED 31 | OCT 7 | 0 2 | DAYS | | | | | | | | | |
|---|---------|----------|-------|------|------|----|----|----------|-----------|------|------------|-----------|------|-----------|
| | CARD | ADDRESS | ALTI | TUDE | DAY | HR | MM | LATITUCE | LONGITUDE | FLAG | LATITUDE . | LONGITUDE | FLAG | DELTA HRS |
| | 1624 | 44004 | 50 | MBS. | 304 | 12 | 28 | 7.585 | 16.30W | • | 3.955 | 1.73W | | С |
| | 1625 | 44004 | 50 | MBS. | 305 | 1 | 55 | 7.635 | 26.16W | | 4.295 | 39.71W | | 13 |

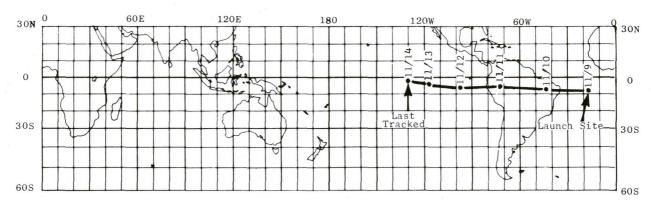
Track of Balloon Package No. P-01 Floating at about 50 mb Launched 2 November 1970 from Ascension Island



2 November to 16 December 1970 Track

| POI LAUN | NCHED 2 | NOV | 70 43 | DAY | 5 | | | | | | | | | |
|----------|---------|------|-------|-----|------|----|----------|-----------|------|----------|-----------|------|-----------|--|
| CARD AD | DORESS | ALTI | TUDE | DAY | HR M | M | LATITUDE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA HRS | |
| 1 | 7 | 50 | MBS. | 307 | 13 | 41 | 8.605 | 30.94W | | 6.985 | 24.34W | | C | |
| 2 | 7 | 50 | MBS. | 308 | 3 | 13 | 8.205 | 41.84W | | 3.135 | 62.24W | | 24 | |
| 3 | 7 | 50 | MBS. | 311 | 6 | 18 | 9.305 | 87.30W | | 3.915 | 109.21W | | 72 | |
| 4 | 7 | 50 | MBS. | 312 | 7 | 18 | 5.865 | 127.54W | | 12.475 | 100.82W | | 24 | |
| 5 | 7 | 50 | MBS. | 310 | 14 | 23 | 5.305 | 141.41F | | 4.375 | 137.67F | | 1.7 C | |
| 6 | 7 | 50 | MBS. | 322 | 5 | 51 | 4.325 | 96.24F | | 7.245 | 84.61F | | 6 C | |
| 7 | 7 | 50 | MB5. | 322 | 17 | 30 | 4.835 | 87.61E | * | 7.625 | 98.82E | | 12 | |
| 8 | 7 | 50 | MBS. | 336 | 12 | 4 | 9.63N | 165.25E | • | 3.93N | 171.77W | | 268 | |
| 0 | 7 | 50 | MBS. | 342 | 18 | 11 | 9.01N | 74.59E | | 4.02N | 94.81F | | 15C | |
| 10 | 7 | 50 | MBS. | 346 | 10 | 41 | 6.03N | 26.42F | | .47N | 4.09E | | 9 C | |
| 1.1 | 7 | 50 | MBS. | 347 | 23 | 22 | 6.55N | 3.06F | | 4.17N | 12.57F | | 36 | |
| 12 | 7 | 50 | MBS. | 349 | . 0 | 21 | 7.16N | 13.59W | | 4.07N | 1.29W | | 48 | |
| 13 | 7 | 50 | MBS. | 340 | 13 | 47 | 7.55N | 22.75W | * | 3.29N | 39.76W | | 12 | |
| 14 | 7 | 50 | MBS. | 350 | 1 | 24 | 7.57N | 28.69W | | 4.54N | 16.61W | | 23 | |

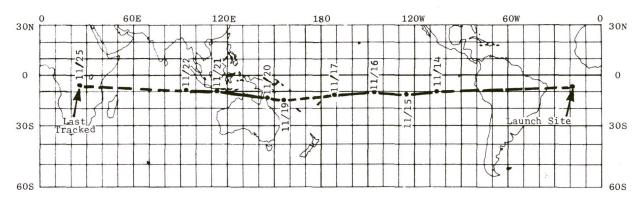
Track of Balloon Package No. P-13 Floating at about 50 mb Launched 9 November 1970 from Ascension Island



9 November to 14 November 1970 Track

| PI3 LAL | JNCHED 9 | NOV 7 | 0 5 | DAYS | | | | | | | | | |
|---------|----------|-------|-------|------|----|----|----------|-----------|------|----------|-----------|------|-----------|
| CARD | ADDRESS | ALT | ITUDE | DAY | HR | MM | LATITUDE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA HRS |
| 1172 | 2402 | 30 | MBS. | 313 | 12 | 44 | 8.015 | 17.32W | • | 5.675 | 7.97W | | C |
| 1173 | 2402 | 30 | MBS. | 314 | 0 | 24 | 7.145 | 29.01W | • | 15.845 | 638E | | 12 |
| 1174 | 2402 | 30 | MBS. | 314 | 2 | 12 | 7.125 | 31.46W | | 4.475 | 42.14W | | 2 |
| 1175 | 2402 | 30 | MBS. | 314 | 13 | 46 | 7.365 | 42.97W | • | .285 | 14.50W | | 1.1 |
| 1176 | 2402 | 30 | MBS. | 315 | 3 | 14 | 7.075 | 57.45W | • | 9.395 | 48.01W | | 14 |
| 1177 | 2402 | 30 | MB5. | 315 | 16 | 31 | 6.285 | 72.35W | • | 5.295 | 68.37W | | 13 |
| 1178 | 2402 | 30 | MBS. | 316 | 17 | 32 | 6.515 | 95.88W | • | 1.695 | 76.34W | | 25 |
| 1179 | 24C2 | 30 | MBS . | 316 | 19 | 19 | 6.335 | 97.56W | • | 13.185 | 125.62W | | 2 |
| 1180 | 2402 | 30 | MBS. | 317 | 7 | 3 | 4.405 | 109.24W | | 0 | 0 | | 12 |
| 1181 | 2402 | 30 | MBS. | 317 | 18 | 35 | 3.715 | 117.95W | • | 3.92N | 87.00W | | 1.1 |
| 1182 | 2402 | 30 | MBS . | 318 | 8 | 3 | 1.905 | 130.02W | • | 4.745 | 118.55W | | 1 4 |

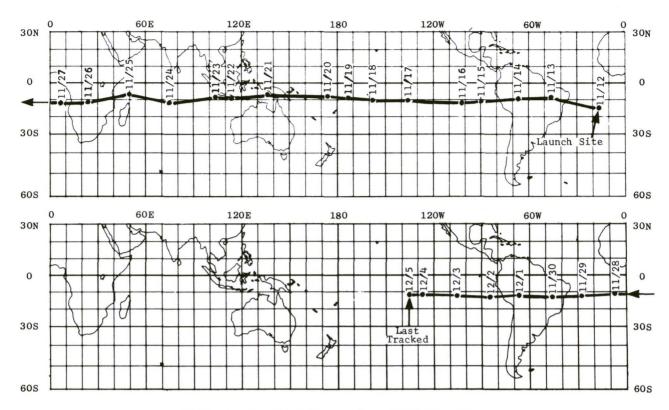
Track of Balloon Package No. P-09
Floating at about 30 mb
Launched 10 November 1970 from Ascension Island



10 November to 25 November 1970 Track

| POP LAU | NCHED 10 | NOV | 70 11 | DAYS | 5 | | | | | | | |
|---------|----------|-----|-------|------|----|----|----------|-----------|------|----------|-----------------|-----------|
| CARD | ADDRESS | ALT | ITUDE | DAY | HR | MM | LATITUDE | LONGITUDE | FLAG | LATITUDE | LONGITUDE 'FLAG | DELTA HRS |
| 780 | 601 | 30 | MBS. | 318 | 17 | 47 | 9.895 | 105.00W | | 2.345 | 74.01W | O |
| 781 | 601 | 30 | MBS. | 319 | 20 | 36 | 10.835 | 124.76W | | 13.485 | 135.53W | 27 |
| 782 | 601 | 30 | MBS. | 320 | 8 | 20 | 10.015 | 134.75W | | 12.315 | 125.40W | 12 |
| 783 | 601 | 30 | MB5. | 320 | 21 | 38 | 9.525 | 144.56W | • | 10.245 | 147.49W | 13 |
| 784 | 601 | 30 | MB5. | 321 | 9 | 22 | 13.335 | 157.80W | • | 18.795 | 135.44K | 12 |
| 785 | 601 | 30 | MBS. | 321 | 22 | 40 | 11.905 | 171.06W | | 7.145 | 151.83W | 13 |
| 786 | 601 | 30 | MB5 . | 323 | 1 | 28 | 13.635 | 165.17E | • | 17.225 | 150.71E | 27 |
| 787 | 601 | 30 | MB5. | 323 | 13 | 11 | 14.585 | 156.23E | | 0 | 0 | 12 |
| 788 | 601 | 30 | MB5. | 324 | 2 | 29 | 13.935 | 146.33E | • | 15.845 | 138 • 65E | 13 |
| 789 | 601 | 30 | MBS. | 324 | 14 | 13 | 12.165 | 136.93E | | 14.295 | 145.61F | 12 |
| 790 | 601 | 30 | MB5. | 325 | 3 | 31 | 9.535 | 125.80E | | 0 | 0 | 13 |
| 791 | 601 | 30 | MB5. | 325 | 15 | 15 | 9.455 | 112.56E | | 16.025 | 139.64E | 12 |
| 792 | 601 | 30 | MB5. | 326 | 4 | 32 | 9.565 | 98.29E | • | 3.925 | 121.15E | 13 |
| 793 | 601 | 30 | MBS. | 326 | 18 | 1 | 8.555 | 83.63F | | 9.175 | 86 • 12E | 14 |
| 794 | 601 | 30 | MBS. | 329 | 9 | 24 | 6.445 | 28.14F | • | 2.405 | 44.62F | 63 |
| 795 | 601 | 30 | MBS. | 320 | 11 | 7 | 6.025 | 26.23F | | 13.395 | 4.45W | 2 |

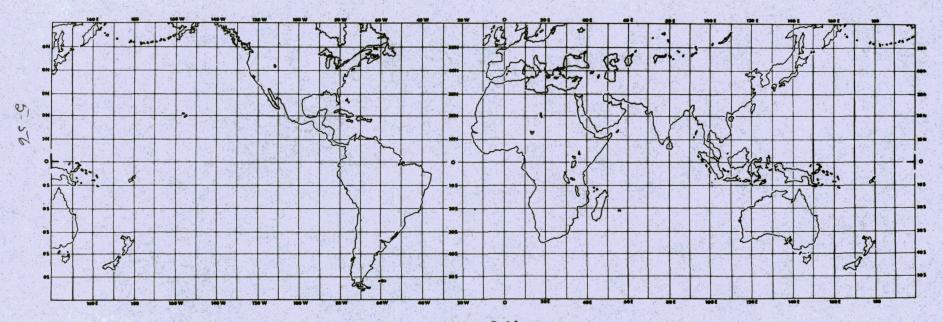
Track of Balloon Package No. P-25 Floating at about 30 mb Launched 12 November 1970 from Ascension Island



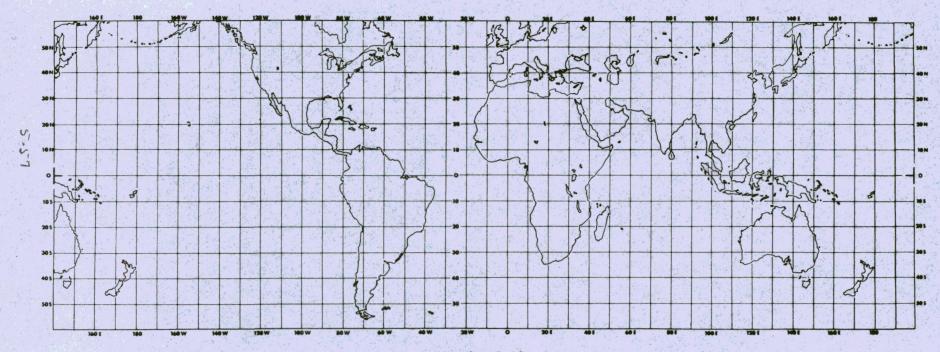
12 November to 5 December 1970 Track

| P25 LAU | NCHED 12 | NOV | 70 23 | DAYS | 5 | | | | | | | | | |
|---------|----------|-----|-------|------|----|----|----------|-----------|------|----------|-----------|------|-------|-----|
| CARD | ADDRESS | ALT | TUDE | DAY | HR | MM | LATITUDE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA | HRS |
| 1416 | 24002 | 30 | MBS. | 316 | 12 | 10 | 14.595 | 15.74W | • | 8.805 | 7.97E | | O | |
| 1417 | 24002 | 30 | MBS . | 317 | 1 | 41 | 9.065 | 26.80W | • | 7.555 | 32.82W | | 13 | |
| 1418 | 24002 | 30 | MBS. | 317 | 15 | 0 | 9.225 | 46.54W | | 0 | 0 | | 14 | |
| 1419 | 24002 | 30 | MBS . | 318 | 16 | 1 | 10.025 | 66.27W | | 7.875 | 57.62W | | 25 | |
| 1420 | 24002 | 30 | MBS . | 319 | 5 | 32 | 11.955 | 78.20W | | 7.325 | 96.98W | | 13 | |
| 1421 | 24002 | 30 | MBS . | 319 | 18 | 48 | 11.245 | 90.09W | | 17.445 | 115.57W | | 13 | |
| 1422 | 24002 | 30 | MB5. | 320 | 6 | 34 | 11.305 | 102.07W | • | 10.705 | 104.49W | | 12 | |
| 1423 | 24002 | 30 | MBS. | 321 | 7 | 35 | 11.725 | 123.97W | • | 14.145 | 114.12W | | 25 | |
| 1424 | 24002 | 30 | MBS. | 321 | 20 | 52 | 11.305 | 136.53W | | 10.215 | 132.12W | | 13 | |
| 1425 | 24002 | 30 | MBS . | 322 | 8 | 36 | 11.525 | 146.64W | | 17.355 | 122.78W | | 12 | |
| 1426 | 24002 | 30 | MBS. | 322 | 21 | 54 | 9.785 | 158.58W | | 5.725 | 142.22W | | 13 | |
| 1427 | 24002 | 30 | MBS . | 323 | 11 | 23 | 9.005 | 172.58W | * | 7.645 | 178.10W | | 14 | |
| 1428 | 24002 | 30 | MBS . | 324 | 0 | 44 | 7.965 | 174.07E | • | 11.035 | 161.75E | | 13 | |
| 1429 | 24002 | 30 | MBS. | 324 | 12 | 24 | 6.765 | 161.53E | • | 10.585 | 176.89E | | 12 | |
| 1430 | 24002 | 30 | MBS. | 325 | 1 | 45 | 6.235 | 149.77E | • | 5.285 | 153.56E | | 13 | |
| 1431 | 24002 | 30 | MBS. | 325 | 15 | 14 | 6.815 | 136.92E | • | 2.495 | 119.25E | | 1 4 | |
| 1432 | 24002 | 30 | MBS . | 326 | 2 | 48 | 7.485 | 126.55E | • | 2.685 | 145.77E | | 1.1 | |
| 1433 | 24002 | 30 | MBS . | 326 | 16 | 16 | 9.155 | 113.04E | | 8.205 | 109.78E | | 1.4 | |
| 1434 | 24002 | 30 | MBS . | 327 | 5 | 33 | 9.085 | 102.97E | | 12.795 | 87.96E | | 13 | |
| 1435 | 24002 | 30 | MBS . | 328 | 6 | 34 | 10.795 | 84.34E | | 12.775 | 76.32E | | 25 | |
| 1436 | 24002 | 30 | MBS. | 328 | 18 | 16 | 10.545 | 74.97E | • | 13.195 | 85.60E | | 13 | |
| 1437 | 24002 | 30 | MBS. | 320 | 7 | 36 | 7.435 | 63.21E | • | 7.095 | 64.61E | • | 13 | |
| 1438 | 24002 | 30 | MB5 . | 329 | 19 | 19 | 7.245 | 49.53E | • | 14.925 | 80.93E | | 12 | |
| 1439 | 24002 | 30 | MBS . | 329 | 21 | 5 | 7.475 | 47.42E | • | 3.675 | 32.07E | | 2 | |
| 1440 | 24002 | 30 | MBS . | 330 | 8 | 38 | 9.555 | 36.57E | • | 3.725 | 60.20E | | 1.1 | |
| 1441 | 24002 | 30 | MBS . | 330 | 10 | 23 | 9.845 | 34.86F | | 15.595 | 11.32E | | 2 | |
| 1442 | 24002 | 30 | MBS . | 330 | 22 | 8 | 12.145 | 24.93E | | 11.155 | 20.88E | | 12 | |
| 1443 | 24002 | 30 | MBS . | 331 | | 24 | 11.815 | 13.23E | • | 14.435 | 2.56E | | 13 | |
| 1444 | 24002 | 30 | MBS . | 331 | | 9 | 11.255 | 4.17E | | 12.895 | 10.84E | | 12 | |
| 1445 | 24002 | 30 | MBS . | 332 | | | 11.105 | 7.02W | * | 11.535 | 8.76W | | 13 | |
| 1446 | 24002 | 30 | MBS . | 333 | 13 | 28 | 12.855 | 26.59W | | 11.165 | 19.50W | | 25 | |
| 1447 | 24002 | 30 | MBS. | 334 | 1 | _ | 14.065 | 36.21W | | 19.875 | 12.62W | | 12 | |
| 1448 | 24002 | 30 | MBS . | 334 | 14 | 29 | 13.295 | 44.68W | • | 10.175 | 32.12W | | 13 | |
| 1449 | 24002 | 30 | MBS . | 335 | | 4 | 12.925 | 54.84W | | 8.125 | 75.27W | | 1 4 | |
| 1450 | 24002 | 30 | MBS . | 335 | | | 12.265 | 67.35W | | 18.225 | 92.01W | | 13 | |
| 1451 | 24002 | 30 | MBS. | 336 | 5 | 4 | 13.695 | 76.49W | • | 11.575 | 85.19W | | 12 | |
| 1452 | 24002 | 30 | MBS. | 336 | | | 13.785 | 85.03W | * | 18.545 | 104.52W | | 13 | |
| 1453 | 24002 | 30 | MB5. | 337 | | | 11.495 | 105.40W | • | 14.215 | 116.43W | | 25 | |
| 1454 | 24002 | 30 | MBS. | 338 | 7 | 6 | 11.405 | 115.49W | • | 13.405 | 107.27W | | 12 | |
| 1455 | 24002 | 30 | MBS. | 338 | - | | 10.845 | 126.79W | | 0 | 0 | | 13 | |
| 1456 | 24002 | 30 | MBS . | 339 | 8 | 5 | 10.895 | 136.36W | | 15.545 | 117.44W | | 12 | |

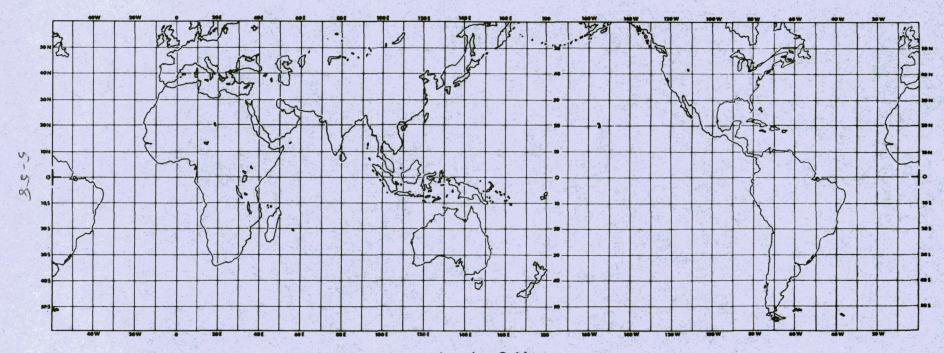
| P22 LAU | INCHED 16 | NOV 70 I | DAY . | | | | | | | |
|---------|-----------|----------|-----------|----------|-----------|------|----------|-----------|------|-----------|
| CARD | ADDRESS | ALTITUDE | DAY HR MM | LATITUCE | LONGITUDE | FLAG | LATITUDE | LONGITUDE | FLAG | DELTA HRS |
| 1367 | 20240 | TO MRS | 320 12 43 | 8-125 | 17.25W | | 5.825 | 8 . 06 W | | С |



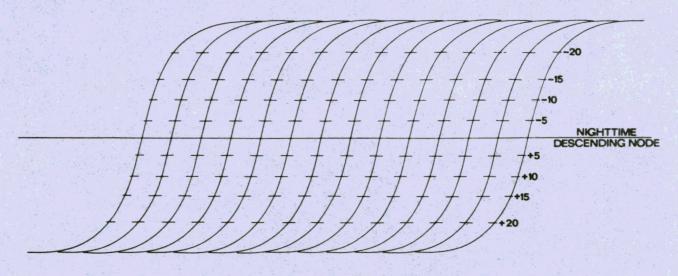
Location Guide Average Scale for Nimbus 4 IDCS Montages



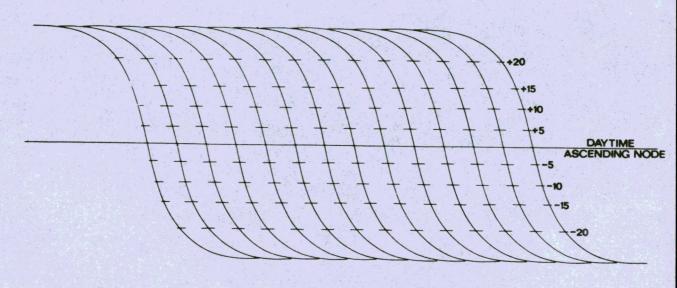
Location Guide
Average Scale for Nimbus 4
THIR Daytime Montages



Location Guide Average Scale for Nimbus 4 THIR Nighttime Montages



NIMBUS 4 SUBSATELLITE TRACKS OVERLAY



NIMBUS 4 SUBSATELLITE TRACKS OVERLAY